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Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 135 MAY 15, 1939 Number 20

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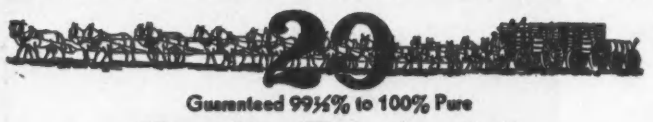

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Dyeing—Diethylene Glycol, used as a c[o-] solvent in yarn tinting solutions and vat dy[e] pastes, tends to increase penetration into textile fibers. It is also used for the preparation of non-drying textile printing pastes.

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulation

Volume 135 MAY 15, 1939 Number 20

RECEIVED MAY 15 1939 LIBRARY THE CHEMISTS' CLUB

Canadian Drugs Act Revisions Widen Scope

Amendments to the Canadian food and drugs act, given Royal assent on April 5, bring within the scope of the act the manufacture, importation, and sale of cosmetics, surgical suture materials, biological materials, certain disinfectants, and glandular extracts; and require foreign manufacturers to obtain licenses and furnish declarations that their products meet the requirements of the act and regulations, according to a report from the office of the American commercial attache in Ottawa.

The amendments define cosmetics as any material intended to cleanse, improve, or alter the complexion, skin, hair, or teeth, and include deodorants and perfumes. Manufacturers of cosmetics in Canada, as well as those outside of Canada desiring to export their products to Canada, must obtain a license from the Department of Pensions and National Health.

The label on imported cosmetics must show the net weight, regardless of size of packages, and also the registration number of the manufacturer, in order to be permitted to enter Canada.

The definition of "drug" is broadened to bring under supervision of the department the sale of surgical suture materials, such as catgut, bandages, sponges, gauze, and drainage tubes. Certain glandular extracts are now included under "medicine." Control of

—Continued on page 45

Chain Drug Stores Decry F.T.C. Citations Publicity

Citing the irreparable harm which is done to a manufacturer's reputation by publicity attending the issuance of citations for alleged violation of the food, drug, and cosmetic law, many of which are later unsubstantiated, the National Association of Chain Drug Stores, at its second annual convention in White Sulphur Springs, W. Va., May 5-8, passed a resolution asking the nation's press to cease giving publicity to such citations until the manufacturers involved are found guilty in the final proceedings. The resolution, introduced by Joseph Rosenwald, of the Affiliated Drug Stores, pointed out that many cases will probably be brought under the new law to secure interpretations of involved provisions and in most cases the public reads of the initial citation and never sees any notice of the final disposition of the case which often clears the manufacturer entirely.

Approximately 500 chain druggists and manufacturers of drug merchandise attended the meeting to discuss public relations, combination deals, manufacturers' price policies, fair trade laws, the new Federal food, drug, and cosmetic law, newspaper advertising, and trends in window display. Members of the association were urged to improve their relations with independent druggists and with the public in order to eliminate the antagonism which leads to the formation and development of anti-chain propaganda groups.

Four directors were re-elected for three-year terms:—

E. Roy Albright, of Albright and Wood, Mobile, Alabama; Sidney Besthoff, jr., of Katz and Besthoff, New Orleans; G. C. Carey, of Harvey A. Carey, Buffalo, and T. N. Beavers, of Peoples Drug Company, Washington, D. C.

Sales Tax Bill Being Drafted for This City

Albany, May 11, 1939

Republican members of the senate and assembly in conference for two hours today were unable to agree on a proposal to introduce and pass a retail sales tax bill to assist cities in financing unemployment relief. A separate bill conferring powers on New York to impose local taxes for such purpose will be introduced and passed before adjournment. This bill will probably be prepared in New York and brought to Albany for introduction.

Lea Bill Conferees Have Not Yet Met

OPD Washington Bureau
May 12, 1939

House and senate conferees on the Lea bill to extend the effective date of certain provisions of the food, drug, and cosmetic law have not yet set a definite date for their meeting to consider differences in the bills passed by the two houses. Senator Clark, a member of the senate group, is out of town. It is expected that he will have returned so that the meeting may be held Monday or Tuesday.

The belief is that the conferees will eliminate or modify the Pepper senate amendment which proposes to give any manufacturer the right to exemption from the law until July 1, 1940, upon the filing of an affidavit that he could not revise his labels before that date and that the public health would not suffer in consequence.

The conferees are:—House,. Mr. Lea, Mr. Chapman, and Mr. Mapes; senate, Mr. Clark, Mr. Pepper, and Mr. McNary.

N.Y. 'Loss Leader' Bill Sent to Governor

Albany, May 10, 1939

The senate today passed and sent to the governor the Esquirol-Parsons "loss leader" bill prohibiting sales of merchandise at less than cost plus a markup of 6 percent for retailers and 2 percent for wholesalers.

The vote was 39 to 4. The negative votes were cast by Senators Frederic R. Coudert, New York, and Benjamin Feinberg, Plattsburg, Republicans, and Peter Farrell and Peter Ruvolo, Brooklyn, Democrats. Senator Feinberg assailed the measure as placing a "straightjacket" on industry, and declared that it was impossible by law "to regulate the gap between the good business man, the poor business man, and the fellow who ought not to be in business." Senator Coudert said the measure "can only succeed in accomplishing its purpose by raising the total cost of living."

Drug Law Color Certificates Issued to Three Companies

OPD Washington Bureau
May 11, 1939

Actual certification of coaltar colors for use in foods, drugs and cosmetics was begun this week by the Food and Drug Administration under regulations promulgated by the Secretary of Agriculture and published in the *Federal Register* May 9, effective immediately. A deficiency appropriation bill just signed by the President gives the administration $15,000 to conduct this work during the remainder of the current fiscal year.

In anticipation of this appropriation the administration had already conducted the basic work preparatory to certification, and the first certificates were issued today. These have been granted to three companies and cover fourteen products.

Certificates Issued

The first certificate was issued to H. Kohnstamm & Co., New York, and covers D&C yellow No. 1 aluminum lake; the second to the Calco Chemical Company, Bound Brook, N. J., covering D&C yellow No. 7; the third to the Pylam Products Company, New York, covering D&C green No. 5. All these colors are certified as suitable for use in drugs and cosmetics.

The Calco Chemical Company received certificates for eight additional batches of colors, five for use in drugs and cosmetics, two for use in externally applied drugs and cosmetics, and one for use in foods, drugs, and cosmetics. The Pylam Products Company received two additional certificates for batches of colors, for use in drugs and cosmetics, and H. Kohnstamm & Co. received one additional certificate for a batch of colors for drugs and cosmetics.

In signing the first certificates issued today, W. G. Campbell, chief of the Food and Drug Administration, said:—

We have made all preparations to analyze and certify colors meeting the requirements upon receipt of proper applications and samples from the manufacturers. The passage by Congress on May 2, 1939, of the second deficiency bill has made immediate color certification possible.

I don't know whether manufacturers are inclined to attach any sentimental significance to the receipt of the number one certificate. However, in the thought that they might do so, we tried to be absolutely impartial about it and decided to settle the question by blind drawing of their names from a hat. Dr. Dan Dahle, chemist in charge of our cosmetic unit, made this drawing. The name of H. Kohnstamm & Co. was drawn first; Calco Chemical Company was drawn next, leaving third place to the Pylam Products Company.

Additional Colors Listed

The administration has prepared a list of some thirty additional colors to

—Continued on page 31

Drug Act Enforcement Fund Raised by Senate

OPD Washington Bureau
May 10, 1939

An increase of $166,620 in the appropriation for the enforcement of the food, drug, and cosmetic act during the next fiscal year over the amount approved by the house was voted by the senate today in considering the Department of Agriculture appropriation bill. This increase, if accepted by the house in conference, restores most of the cuts made by the house under the budget estimates.

The senate also approved an appropriation of $40,094 for enforcement of the tea importation act, which had been entirely eliminated by the house, and added $25,000 for the enforcement of the insecticide act.

The drug law increases approved by the senate were $30,000 for formulating standards, $35,000 for new drug permits, $18,000 for color certification, and $83,620 for cosmetic enforcement. The senate did not restore cuts in the budget estimates made by the house of $22,000 for preparations affecting bodily structure and function and $23,000 for curative and diagnostic devices. The total appropriation for the food, drug, and cosmetic act voted by the senate is $2,455,000, compared with the house figure of $2,288,380.

Drug Act Cease-Desist Proposal Loses Interest

OPD Washington Bureau
May 11, 1939

Interest in the proposal to provide a cease and desist procedure as an alternative method of enforcing the food, drug, and cosmetic law appears to have lagged both at the capitol and at the Department of Agriculture.

The proposal was discussed several weeks go by the senate committee on commerce and Walter G. Campbell, chief of the Food and Drug Administration, as a means of giving manufacturers an opportunity to correct their practices and labeling without court action. Mr. Campbell was asked to draft suggested legislation to accomplish this, but after the matter was studied for some time officials of the Food and Drug Administration have concluded that the technical difficulties in drafting and applying such an amendment are greater than were apparent at first, and their present inclination is not to press action which might open up the law for other amendments until there has been more experience in enforcing the new act.

N.Y. Drug Bill Passed

The Rapp bill (A.I. 1410) of a drug and cosmetic act has been passed by both houses of the New York legislature, and is in the hands of the governor.

This measure was amended in several respects during its consideration in the assembly and in the senate. It is fundamentally modeled after the drug and cosmetic sections of the Federal law and is acceptable to the industries.

Tanners Told Production Costs Must Govern Price Revisions

White Sulphur Springs, Va., May 12, 1939

No business enterprise can be self-respecting if it does not aspire to earn reasonable profits. Harold R. Connett, chairman of the board of the Tanners Council of America, declared in an address at the annual Spring meeting of the council, held in the Greenbrier, May 11-12. Reviewing the financial background of the tanning industry, Mr. Connett remarked that tanners had a "tradition of meager profits and big losses." He warned tanners that no industry could endure unless its prices were based on costs. That, he maintained, held true for every tanner and every group in the industry.

In concluding his address, Mr. Connett stated that it is a fact that this industry has taken more than its share of the risks and less than its share of the rewards. He said the industry has been too apt to accept the tradition that if a year of profit interrupts the procession of losses, it is only by the grace of circumstance. A legitimate value attaches to the goods and services tanners produce and perform, he said. If the industry is going to realize that value, then as managers of sound enterprises it must take pride in operating profitable enterprises.

Merrill A. Watson, executive vice-president of the council, informally discussed "The Changing Leather Business." Referring to the existence of imperfect competition, and a shift of economic power from producer to distributor, he indicated the serious changes in the position of manufacturing industries, particularly the tanning and shoe manufacturing which supply consumers' goods, that had been brought about. According to Mr. Watson, in numerous instances the distributor dictates the price, style, and in many cases, the complete specification of the product.

He commented that tanners or shoe manufacturers must be amused by the generalization that the industry needs more competition and more flexible prices. To substantiate his statement that the industry was not in need of fresh competition he pointed to production which is now averaging over 400,000,000 pairs annually, and wholesale prices have fallen from $2.58 in 1929 to $1.75 at the present time. Summarizing his conclusions as to the tasks of the industry in meeting the changing conditions in its market, he stressed the

—Continued on page 29

MAY 1939 XUM

Closing Market Developments

London Closing Cable

LONDON, May 12, 1939

Carnauba wax was quoted at 114s. per hundredweight.

California Orange Oil Higher

Prices on California cold pressed orange oil were advanced 10c. May 12, making the minimum quotation $1 per pound. The distilled oil remained unchanged at 50c.

Tumeric Firmer

Prices for the Alleppey and Madras were ¼c. per pound higher, making quotations 6¼c. and 6¾c. per pound, respectively.

Cottonseed Oil Steady

A steady tone prevailed in the market for refined cottonseed oil futures on Friday. Price movements were narrow, with July closing at 6.72c. and October 6.94c. The monthly Census Bureau report was about as expected, the indicated consumption during April being 207,335 barrels against 307,053 barrels in March and 229,754 barrels in April last year. The visible supply decreased 119,900 barrels during April against a decrease of 158,300 barrels in April last year. The total visible supply at the close of April was 2,265,300 barrels against 2,239,400 barrels a year ago.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Cosmetic Control:—Poland recently placed in effect regulations regarding the composition, packing and marketing of imported and domestic cosmetics, designed to provide stricter control over the trade.

Food Preservatives:—The importation and sale in Belgium of substances intended for use in the manufacture, preparation or preservation of foods have been made subject to regulations governing quantity and marking.

Parcel Post:—Insured parcels, as well as ordinary parcels, up to the maximum weight of 44 pounds per parcel have been made acceptable for mailing to Belgium.

Petroleum Products: — Mauretania, French West Africa, has established circulation tax of 25 francs per 100 kilos on imported gasoline, and for other refined petroleum products, lubricating and heavy oils, 10 francs per 100 kilos.

Petroleum Products:—The Brazilian National Petroleum Council has notified importers of petroleum products that shipments of these products will not be permitted entry without prior authorization of the council.

Petroleum Products:—Gasoline, benzine, white spirit, special fuel oils and mineral oil residues for fuel are among the petroleum products on which the Rumanian consumption taxes have been increased slightly.

N.Y.-Pa. Western Border Unit of A.C.S. Formed

The New York-Pennsylvania Western border section of the American Chemical Society was formed at a meeting in Bradford, Pa., May 5. Officers of the new branch, which is distinct from the Western New York section, are:—Chairman, Ogden Fitszimons, Warren, Pa.; treasurer, A. L. Conn, Dunkirk, N. Y., and secretary, Robert Capell, Warren, Pa. Dr. R. W. Huffered, Bradford, Pa., was appointed councillor to the national society.

Spencer Kellogg Enlarging Decatur Soybean Plant

Spencer Kellogg & Sons., Buffalo, N. Y., has started construction on an addition to its Decatur, Ill., plant. This addition comprises alterations and enlargement of the present workhouse and elevator to allow rapid unloading and storage of soybeans. The company is also adding another 500,000-bushel capacity to the elevator by the erection of ten pair of concrete storage tanks. Other construction plans call for the erection of a separate packing and warehouse building to accommodate storage of soybean meal, and the erection of a new expeller mill which will materially increase the output of the Decatur plant.

Chemical Price Trend Downward

Although there was at least one significant upward movement in prices for heavy and fine chemicals last week, the trend of the markets as a whole was distinctly downward. Blue vitriol, arsenate of lead, and quicksilver were the most important items in this. Prices of amyl solvents were advanced.

There was a slight improvement in seasonal movements of materials, but demand in general continued quiet. Hope, looking beyond settlement of the soft coal strike, was a bit more in evidence.

Prices were advanced on amyl acetate, diamyl phthalate, refined fusel oil, tetrachloride of tin, antimony, medium grades of gum rosin, Loba, Singapore, and spirit-soluble copals, Singapore and plantation gambiers, and tapioca flour.

Prices were reduced on electrolytic copper, blue vitriol, arsenate of lead, quicksilver, imported crude naphthalene, codliver oil, cocoa butter, domestic and imported dried blood, imported bone, domestic tankage, and Eastern fish scrap.

The REPORTER'S composite index number of prices for heavy and fine chemicals receded to 125.2 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number of prices is now 88.6, compared with 89.3 at this time last year and 89.5 in 1937.

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Oil, Paint and Drug Reporter, Volume 135, No. 20, May 15, 1939. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York. Annual subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

S.O.C.M.A. Outing In Skytop, Pa., June 1-2

The Synthetic Organic Chemical Manufacturers Association will hold its seventeenth annual Spring outing in Skytop lodge, Skytop, Pa., June 1-2. The annual golf tournament will be run off on Friday with eleven prizes for members and guests.

The association will act as host at a union dinner June 1 with the Manufacturing Chemists Association, which organization will hold its annual meeting in Skytop Lodge on that date. Dr. Robert C. Clothier, president of Rutgers University, will be the speaker at the dinner. Arrangements for the outing of the Synthetic Organic Chemical Association are in charge of its secretary, Charles A. Mace, 260 West Broadway, this city.

Commerce Bureau Starts Bad Debt Loss Survey

OPD Washington Bureau
May 10, 1939

A bad debt loss survey based on reports from 2,000 wholesalers and 1,500 manufacturers located in all sections of the country is being conducted by the Bureau of Foreign and Domestic Commerce, Harry L. Hopkins, Secretary of Commerce, stated today. The survey, first official study of its kind ever made, is being compiled with the cooperation of the National Association of Credit Men and will include bad debt loss figures covering a wide range of industries.

The survey, when completed, Secretary Hopkins said, can be used by wholesalers and manufacturers to compare their own credit records with average losses of other firms in the same trade or industry located in the same section of the country and having approximately the same number of accounts. One phase of the study will be concerned with analyzing the extent of bad debt losses by size of firm in relation to the average number of accounts per firm and the average volume of credit sales per customer.

Fertilizer Freight Increase Approved

OPD Washington Bureau
May 8, 1939

An increase of approximately 5.5 percent in the freight rates on carload shipments of fertilizers and material between northern and southern territories was approved today by the Interstate Commerce Commission.

The commission disapproved increases proposed by the railroads of 10 percent over rates established January 20, 1938, which rates were the maximum authorized by the commission in its general commodity case of 1937 and which were approximately 4.05 percent higher than those previously in effect. The commission found the proposed increase not justified, but authorized the filing of new schedules publishing rates not in excess of 10 percent above those in effect January 19, 1938. The case does not involve rates within either territory, but only the interterritorial rates in both directions.

The railroads attempted to simplify the rate structure so that there would be but two sets of rates, one for application throughout official territory and the other for application within southern territory and interterritorially between southern and official territories. They proposed to accomplish this readjustment by increasing the present interterritorial rates to the basis now in effect in southern territory and by increasing the present rates in central territory to the basis now in effect in eastern territory. The weighted average haul of fertilizer materials between official and southern territoris is 805 miles. The present rate for this distance is $6.55, and the proposed rate was $7.21, an increase of 66 cents per 100 pounds.

The National Fertilizer Association and various individual manufacturers opposed the increase on the ground that the proposed rates would curtail the use of fertilizer, handicap farmers, and lead to the increase of imported fertilizer materials.

Paint Credit Group to Meet

The Paint and Allied Industries Credit Association will hold a meeting May 23 in the Employers' Buildings Trades building, this city. Frank W. Lovejoy, general salesmanager for the Socony-Vacuum Oil Company, will be the guest speaker.

Spice Trade Adopts Uniform Cloves Contract

The thirty-third annual meeting of the American Spice Trade Association, held May 8 to May 10 in the Hotel Astor, this city, brought together some forty-five member firms to talk over the work of the past year and to provide the machinery for that in the year ahead. Charles A. Thayer, of the R. T. French Company, Rochester, N. Y., president, presided, and was succeeded in office by Arthur G. Dunn, this city, previously vice-president. Changes in the standard contract of the association always play a prominent part at the annual gathering and this year the members approved a uniform clause for spice buyers' contracts on cloves. The clause fixes a maximum moisture allowance of 14 percent and provides that the seller must make an adjustment in his price if the moisture content exceeds that figure. The three-day gathering was devoted to a visit to the World Fair; meetings of the dealers', brokers' and grinders' sections; and the general session at which President Thayer presented his report.

Officers elected were as follows:—

President, Arthur G. Dunn, this city; vice-president, F. H. Long, of McCormick & Co., Baltimore; and treasurer, Ernest H. Winter, of H. P. Winter & Co., this city. N. W. Ericson was continued in the office of secretary.

Two new directors were chosen to serve for two years, being Charles A. Thayer, of the R. T. French Company, Rochester, and I. B. Catz, of the Catz American Company, this city.

The arbitration committee and the alternate committee, groups which perform one of the most important functions of the association, were filled by the election of the following:—

Arbitration committee, Irving Fitzpatrick, of the Knickerbocker Mills Company; F. G. Mabbs, of the Mincing Trading Corporation; J. P. Knight, of Irwin-Harrisons-Whitney, Inc.; A. A. Sayia, of H. P. Herrfeldt & Co.; all of this city; and Norman S. Dillingham, of the D. & L. Slade Company, Boston.

—*Continued on page 28*

N. Y. Paint Club Elects M. J. Merkin President

The New York Paint, Varnish and Lacquer Association elected to its presidency M. J. Merkin, of the M. J. Merkin Paint Company, at its annual meeting held in the Hotel Biltmore, this city, May 11. Other officers elected were:—

Vice-president, Thurlow J. Campbell, of Valentine & Co.; secretary, Louis Gillespie, of Gillespie-Rogers-Pyatt Company; treasurer, Henrik E. Hendrickson, of S. Winter-

M. J. Merkin

bourne & Co. Members of the executive committee for two years, C. Francis Beatty, of the Socony Paint Products Company; Graham M. Corddry, and Henry I. Gilbert.

For delegates and alternates to the fifty-second annual convention of the National Paint, Varnish and Lacquer Association, which will be held in San Francisco November 1-3, the following have been named:—

Delegates, Dean C. Anderson, Martin F. Austin, Everett W. Boughton, Cornelius W. Brown, Olav J. S. De Brun, Stanley C. Dunning, Alfred Ehrlich, D. J. Healy, H.R. Hillman, A. E. Korn, J. T. Kealy, D. H.

—*Continued on page 36*

Export Information Listed by D. of C.

OPD Washington Bureau
May 11, 1939

A check sheet of information and services available in the Department of Commerce to American concerns contemplating entering the export market has been issued by the Department's Chemical Division. It lists facilities available for analyzing a business from the export standpoint as to marketing outlook, probable markets, distribution channels, credit practices, methods of operation, and similar matters.

Venezuela Trade Pact Extended for a Year

OPD Washington Bureau
May 10, 1939

The provisional commercial agreement between the United States and Venezuela was extended for another year today through the exchange of notes. The agreement provides for reciprocally unconditional and unlimited most-favored-nation treatment, and is to remain in force until the conclusion of the long-pending tariff bargain between the two countries.

M.C.A. Committees To Meet May 23-26

OPD Washington Bureau
May 11, 1939

Technical commitees of the Manufacturing Chemists Association will meet in the Chemists' Club, New York, May 23 to 26. The schedule of meetings, furnished by Warren N. Watson, secretary, today, is as follows:—

Carboy committee, May 24.

Insecticide and fungicide committee, May 26.

Poisonous articles and miscellaneous packages committee, May 25, in the forenoon.

Steel barrels and drums committee, May 23.

Traffic committee, May 25, in the afternoon.

Cottonseed Products Ass'n Asks For Increased Tariff Protection

New Orleans, May 12, 1939

Endorsement of a resolution favoring a tariff on imported fats and oils and oil bearing seeds and nuts of sufficient amount necessary for the protection of the domestic industry was the outstanding development at the forty-third annual convention of the National Cottonseed Products Association, in session in the Jung hotel, May 9-10. A. L. Durand, of the Chickasha Cotton Oil Company, Hobart, Okla., was elected president.

At present there is an excise tax of 3 cents a pound on coconut oil, palm oil and palm kernel oil to serve as an equalizer to offset the penalties against agriculture and especially against cotton growers resulting from the high tariff on so many of the products that they must buy, T. J. Kidd, of the Farmers & Ginners Cotton Oil Company, Birmingham, declared in his address as president of the association. At the time that this excise tax went into effect domestic producers hoped that 3 cents would be sufficient protection, he said. However, the import and price conditions of the past two years have been such as to cause serious concern to domestic producers and processors, he added. Mr. Kidd explained the position of the association on excise tax question as follows:—

Because of this situation there was organized the Domestic Fats and Oils Conference and members of this industry have been cooperating with this conference in an effort to increase the protection given domestic fats and oils. Early in our program we discovered that Secretary of State Hull was of the opinion that any effort to increase the tax rate would be a violation of the reciprocal trade agreements. The leaders of the domestic fats and oils group had no desire to embarrass or handicap Secretary Hull and therefore our proposed amendments carried the provision that the proposed increased rates would not become effective on oils now covered by existing trade agreements until such agreements can be legally modified.

Domestic producers of oils and fats while fighting for what they regard as essential protection are anxious to cooperate with Secretary Hull in developing trade that will benefit American agriculture. We know that there are many angles to this problem demanding study and it is up to the Association to determine the course it desires to take.

With the reduction in cotton acreage it was natural to expect, Mr. Kidd said, that growers of cottonseed and other American fats and oils producers would enjoy the American market for their products. He added that the fats and oil business of the United States is widespread and it touches every phase of American agriculture. Our annual consumption of fats and oils is approximately 9,000,000,000 pounds. Our annual production is about 7,000,000,000 pounds, therefore our annual imports are approximately 2,000,000,000 pounds.

Prior to 1916, the United States was

—*Continued on page 41*

Chemical Engineers To Meet May 15-17

Twenty-two scientific papers reporting advances in chemical engineering and the application of chemistry to industry will feature the thirty-first semi-annual meeting of the American Institute of Chemical Engineers in the Mayflower hotel, Akron, Ohio, May 15-17. Webster N. Jones, president of the institute and dean of engineering at the Carnegie of Technology, Pittsburgh, will preside.

Among the speakers on Monday will be J. R. Steelman and H. G. Baker, jr., of the Department of Labor, who will discuss labor relations in the American chemical industry. Perfection of a method for making an improved fuel from lignite will be discussed by E. P. Schoch, director of the Bureau of Industrial Chemistry at the University of Texas.

On Tuesday, the meeting will be devoted to construction materials used in the chemical industry. Papers will be delivered on synthetic rubber-like materials, stoneware, enameled ware and carbon and graphite as structural materials. Such subjects as heat transfer, distillation, filtration, gas absorption and other diffusional processes will constitute the program of the all-day session on Wednesday. The engineers will inspect Akron's industrial plants Monday and Tuesday afternoons. A banquet will be given at the Mayflower hotel Tuesday evening at which Dr. William C. Geer, consulting chemist on rubber, will speak.

Foreign Trade Services Consolidated by President

OPD Washington Bureau
May 9, 1939

Transfer to the Department of State of the entire foreign service of the Department of Commerce was ordered today by President Roosevelt in submitting to Congress his second plan under the recently enacted reorganization law. The foreign service of the Department of Agriculture is also transferred to the Department of State, and the three services are to be consolidated, but with the Secretary of Commerce and the Secretary of Agriculture participating in directing phases of the work directly concerning their activities.

This transfer, which will be effective in sixty days unless both houses of Congress vote against the entire second reorganization plan, accomplishes a proposal which has long been under consideration. In effect it splits the Bureau of Foreign and Domestic Commerce, and, although this bureau is not mentioned in the order, all employees having the status of foreign service officers will be transferred to the Department of State and presumably the Department of Commerce bureau will be concerned in the future only with domestic commerce and with analyzing and disseminating information obtained through the Department of State.

Other Agencies Affected

Other features of the second reorganization plan of interest to business are the abolition of Bituminous Coal Commission and the transfer of its functions to the Secretary of the Interior, to be administered by such bureau as he shall determine; transfer of the Bureau of Fisheries and the administration of the whaling treaty act from the Department of Commerce to the Department of the Interior; transfer of the Biological Survey from the Department of Agriculture to the Department of the Interior; transfer of the Inland Waterways Corporation from the War Department to the Department of Commerce; transfer of the Bureau of Lighthouses from the Department of Commerce to the Treasury Department, to be consolidated with the Coast Guard; transfer of the independent Rural Electrification Administration to the Department of Agriculture; transfer of the Bureau of Insular Affairs from the War Department to the Department of the Interior for consolidation with the Division of Territories and Island Possessions.

The order of consolidating the three foreign services provides that the Secretary of State shall cause to be made such investigations relating to commercial and industrial conditions and activities in foreign countries and such other specific investigations relating to foreign commerce as the Secretary of Commerce shall determine to be in the public interest, and shall report to the Secretary of Commerce the results of, and the information secured through such investigations. Similar provision provides agricultural information for the Secretary of Agriculture. Each of the secretaries is to appoint a liaison officer to serve the Department of State in connection with the administration of foreign service.

President Explains Purpose

In discussing this section of the order, the President's message to Congress stated: —

By this transfer and consolidation there will be a single foreign service in the Department of State, but this does not mean that the interests of the commercial and agricultural communities are to be neglected, for it is a part of the plan that representatives of the Secretary of Agriculture and the Secretary of Commerce shall be placed on the Board of Foreign Service Personnel and that specific investigations relating to commerce and agriculture shall be initiated directly by the sec-

—*Continued on page 32*

Moore Elected Head Of N.J. Section A.C.S.

The North Jersey section of the American Chemical Society has elected the following officers:—Chairman, Robert J. Moore, of the Bakelite Corporation, Bloomfield; chairman-elect, Randolph T. Major, of Merck & Company,

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Robert J. Moore

Rahway; secretary, Henry J. Wing, of Johnson & Johnson, New Brunswick, and treasurer, Horace E. Riley, of the Bakelite Corporation.

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Accent on CALCIUM MANDELATE

Mallinckrodt Calcium Mandelate presents the pharmaceutical manufacturer with a practically tasteless, odorless, neutral white powder. Available in two forms—a light fluffy powder for use in powders and granules, and a dense powder for use in tablets. Excellent, too, in contributing to the quality of pharmaceutical products are uniform Mallinckrodt Acid Mandelic, N. N. R., and Sodium Mandelate.

INFORMATION AND QUOTATIONS GLADLY FURNISHED

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MAY 15 1939
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THE CHEMISTS' CLUB

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100 lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .33 - —
kgs., 2,000 lb. lots.....lb. .34 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¼- —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kgs., 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .69
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - (57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
powd., bbls., contracts, 80 tons, dlvd., ton..111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .12½- .13
Chlorosulphonic, dms., c.l., works..lb .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
Acid, chromic, 99%, dms., smaller quantities, dlvd., N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., grain., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dist., dms.....lb. .09¼- .09¾
Corn, dist., dms.....lb. .08½- .08¾
Cottonseed oil, dist., dms....lb. .06½- .07
tanks .....lb. .06 - —
Cresylic, high-boil, special resin grade, dom., c.l., works, frt. equaled.....gal. .63 - —
l.c.l., same basis.....gal. .64 - —
other grades, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .69 - —
l.c.l., same basis.....gal. .71 - —
imported, pale, dms.....gal. .51 - .55
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls.....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% concd., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works.....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .07½
lead cbys.....lb. .09 - .09½
48%, lead cbys.....lb. .11½- .12
52%, lead cbys.....lb. .12½- .13
60%, lead cbys.....lb. .15 - .15½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade .....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .11¾- .12¼
Laurent's, bbls. .....lb. .45 - —
Linseed oil, dark, dms.....lb. .10 - .10½
light, dms.....lb. .11 - .11½
extra white, dist., dms....lb. .11¾- .12¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots. .....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l. 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9 works..100 lbs. 2.70 - —
tanks, works .....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works .....100 lbs. 1.65 - —
Acid, muriatic, cryst., gran., bbls., car lots..lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280 dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9 works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works.. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP., dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710 cbys, 180 lbs..lb. .12 - —
50%, s. g., 1.347 cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l, split, approx. 85%, dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tech. dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd..lb. .13½- .14½
Succinic. bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100lbs. 1.25 - —
l.c.l., 25 and over, works. 100lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works.. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, dealers, cbys...lb. .06½- —
9-lb. bots.....lb. .16¼- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.— 100-lb. lots.....lb. .90 - —
25-lb. lots.....lb. .93 - —
powd., bbls., 1,000 lbs.....lb. .78 - —
smaller lots.....lb. .80 - —
Tartaric, USP, dom., cryst. gran., powd., bbls., 10,000 lbs. or more, one shipment. lb. .27½- —
kgs. .....lb. .28¼- —
smaller quantities.....lb. .27¾- —
Tobias, bbls.....lb. .60 - .65
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., wks.....lb. 2.35 - 2.55
Chem. grade, kgs., wks....lb. 1.70 - 1.80
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .26 - .27
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. 1.00 - 1.05
3, bls.....lb. .68 - .70
Agaric, white, bls.....lb. 3.00 Nom.
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .52 - .60
import, bgs.....lb. .55 Nom

Acacia—Alkanet Root

Albumen, egg, ed., dom., cryst., bbls..lb. .62 - .65
dom., pwd., dms., bbls., lb. .67 - .73
import, cs.....lb. .62 - .65
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .13 - .15
dms., c.l., frt. alld.....lb. .08¼- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
tankwagon, frt. alld.....lb. .08 - —
secondary, dms., c.l., frt. pd., E. of Miss. R..lb. .068 - —
l.c.l., same terms.....lb. .073 - —
tanks, same terms.....lb. .058 - —
tertiary, denaturing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works..lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .29½- —
l.c.l., works, dms.....gal. .31½- —
tanks, E., works.....gal. .21½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .26½- —
19 bbls., E. works...gal. .28½- —
1 to 18 bbls., E. works, gal. .31½- —
dms., c.l., E. works....gal. .25½- —
19 dms., E. works...gal. .27½- —
gal. .30½- —
tanks, E. works.....gal. .19½- —
Anhydrous, 2c. per gal. higher.
SD-2B., dms., c.l., works, E. gal. .24½- —
19 dms., works, E...gal. .26½- —
1 to 18 dms., works, E. gal. .29½- —
tanks, E., works.....gal. .18½- —
SD23-G, works, E., dms..gal. .30 - —
19 dms. .....gal. .32 - —
1 to 18 dms.....gal. .35 - —
tanks .....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E. works..gal. .26½- —
20 dms., E. works...gal. .28½- —
1 to 19 dms., E. works, gal. .31½- —
tanks, E. works.....gal. .20½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15½
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.53 - —
19 bbls.....gal. 4.56½- —
1 to 18 bbls.....gal. 4.59½- —
dms., c.l.....gal. 4.49 - —
19 dms.....gal. 4.55½- —
1 to 18 dms.....gal. 4.58½- —
tanks .....gal. 4.46 - —
absolute, dms., c.l.....gal. 4.84½- —
19 dms.....gal. 4.88 - —
1 to 18 dms.....gal. 4.91 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works..lb. .85 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .073 - —
l.c.l., same terms.....lb. .078 - —
tanks, same terms.....lb. .063 - —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis ....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .11 - .12

MAY 1939
XUM

Aloe—Antimony, Needle

Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs.....lb. .18½- .20
Curacao, cs.....lb. .42 - .43
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .46 - .50
Aloin, 140-lb. bbls.....lb. 2.65 - 2.80
100-lb. kgs.....lb. 2.67 - 2.82
25-lb. fib. dms.....lb. 2.74 - 2.89
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .30 - .32
peeled, bls.....lb. .24 - .25
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - —
dlvd. N.Y., Phila...100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - —
dlvd., N.Y., Phila...100 lbs. 3.40 - —
powd., bbls., works...100 lbs. 3.55 - —
dlvd. N. Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.40 - —
dlvd., N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - —
dlvd, N.Y., Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - —
dlvd. N.Y., Phila..100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .06¾- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd. .....100 lbs. 4.25 - 5.00

Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd. .....lb. .09 - —
22%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd. .....lb. .12 - —
basic powd., bbls., dlvd...lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs., works..lb. .07 - —
1,100 to 11,000 lbs., works, lb. .08 - —
140 to 875 lbs., works.lb. .09 - —
100 lbs., or less, works.lb. .10 - —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., dms., works.....lb. .06¾- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd. .....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0250- —
l.c.l., bbls. .....lb. .03½- —
bgs., c.l. .....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order .....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., otns., c.l..lb. .16 - —
l.c.l., ton .....lb. .17 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald..100 lbs. 1.35 - —

Alumina sulphate, com'l., bbls., l.c.l., works, frt. equaled 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.80 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works...100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, c.l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .65 —
ink, dms., 1,500 lbs....lb. .75 —
standard, dms., 1,500 lbs..lb. .43 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs.lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs..lb. .42 - —

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs., for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -36.00
Aminopyrine, fib., dms., 100 lbs. lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.28
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb .63 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works.. lb. .05 - —
pure, cyls., dlvd., met. N.Y.lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05 - —
dms., c.l. .....lb. .03 - —
l.c.l. .....lb. .03¼- —
tanks (on NH_3 content), f.o.b. S. Chicago or Detroit. lb. .04 - —
grade B (ammonia liquor) tanks (on NH_3 content), f.o.b. Chicago or Detroit..lb. .03¾- —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .42
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,600 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., c.l., works. 100 lbs. 5.15 - —
l.c.l., dlvd., N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .20 - .23
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .25 - —
bxs. .....lb. .28 - .29
kgs. .....lb. .26 - —
Carbonate, tech., dom., bbls. lb. .03 - .12½
imported, caks. .....lb. .03 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms.....lb. .20 - —
cns. .....lb. .25 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.52 - —
lars .....lb. 3.65 - —
Linoleate, 50%, anhyd., bbls. lb. .11 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.25 - —
bbls., c.l., works.....100 lbs. 3.20 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms. .....lb. .11 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure, gran.....lb. .32 - —
Perchlorate, kegs .....lb. .16 - .18
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls. lb. .07 - —
kgs. .....lb. .09 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos- bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., wrs .....lb. 1.15 - 1.20
Silicofluoride, imp., 350-lb. bbls., f.o.b. N.Y..lb. .09 - —
5 bbls., same basis.....lb. .09½- —
Stearate, anhydrous .....lb. .22 - —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. April-June shipt..ton.28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .06 - —
l.c.l., works .....lb. .12 - .13
tanks, dlvd. .....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 96-100%, kgs..lb. .55 - .75
Ammoniac, gum (see Gum, ammoniac).
sal. gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 4.90 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., dlvd..lb. .11½- .12½
l.c.l., dlvd.....lb. .12 - .14
tanks, dlvd.....lb. .10½- .12½
cns., works.....lb. .16 - .18
ex pentane, dms., c.l., frt., alld..lb. .10½- —
l.c.l., frt., alld.....lb. .11½- —
tanks, frt., alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works .....lb. .0665- —
tanks, works .....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .21 - .23
import, natural, bls.....lb. .20 - .22
twisted, bls. .....lb. .29 - .30
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .16 - .16½
Star, bgs.....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
80%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .11¾- —
Needle, powd., ton lots, bulk, lb. .12 Nom.
bbls., kgs.....lb. .14 - .16

Paint, lacquer and enamel formulators depend on Lavanburg for uniform color pigments.

For over half a century Lavanburg colors have been a standard of uniformity throughout the industry. Now with the latest research and technical facilities available, Lavanburg is even better equipped to supply formulators with standardized chemical colors of highest quality.

FRED. L. LAVANBURG
COMPANY, INC.
Division of Reichhold Chemicals, Inc.

Factory: BROOKLYN, N. Y. General Offices: DETROIT, MICH.

Antimony, oxide, bbls., c.l....lb. .11 - —
l.c.l. ....lb. .11¾- —
Salts, 65%, kgs....lb. .25¾- .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c..lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots....lb. 2.10 - 2.15
Apomorphine, bots....oz. 23.20 -26.70
Archil extract, con., bbls....lb. .21 - .27
double, bbls....lb. .18 - .20
triple, bbls....lb. .18 - .20
Areca nuts, powd., bbls....lb. .10 - .11
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos 32.00 -34.00
Arnica flowers, bls....lb. .27 - .28
Root, bls....lb. .37 - .38
Arrowroot, St. Vincent, powd., bgs..lb. .06 - .06½
bbls. ....lb. .06½- .09
Arsenic, metal, lump, cs....lb. .40 - .41
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.35 - —
jars ....lb. 5.20 - —
Red, import, cs....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .06 - —
l.c.l. ....lb. .06¾- —
Asafetida, cs. ....lb. .23 - .24
powd., bbls., bxs....lb. .37 - .38
Asbestine (see Talc, N. Y. Through.
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
6R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (20 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (20 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (20 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (20 tons), Canad. mines..ton.19.00 - —
Asbestos fiber, 7K, bgs., c.l. (20 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (20 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .03½- —
smaller lots, f.o.b. N. Y.lb. .05½- —
AA, bgs., 20 tons, f.o.b. N.Y. lb. .06½- —
smaller lots, f.o.b. N. Y..lb. .10½- —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.31.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery....ton.21.00 - —
tanks, refinery....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06¼
Ill., Ind., refinery....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. ....oz. 5.25 - 5.80
Sulphate, bots. ....oz. 2.85 - 2.95
cns. ....oz. 2.75 - 2.80

B

Balm of Gilead buds, bgs.....lb. .26 - .28
Barberry bark, bgs.....lb. .17½- .18
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.41.00 -43.00
98% thru 200 mesh, bgs., c.l., works..ton.43.00 -45.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago ....ton.55.00 - —
l.c.l., works....ton.57.50 - —
Chicago ....ton.60.00 - —
bbls., c.l., works....ton.57.50 - —
Chicago ....ton.60.00 - —
l.c.l., works....ton.62.50 - —
Chicago ....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works....ton.62.50 - —
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .25 - —
kgs. ....lb. .27 - —
tech., domes., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
Zone 2, bbls., l.c.l., bgs., same basis..ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz..ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
bbls., l.c.l., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12½
Fluosilicate, bbls.....lb. .11½- .12½
Hydrate (see Hydroxide).
Hydroxide, bbls, 46-48%.....lb. .04¾- .05¾
Iodide, bots.....lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¾- .07¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. ....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago ....ton.31.15 - —
Cleveland ....ton.33.50 - —
New York....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston ....ton.31.70 - —
Philadelphia ....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston ....ton.35.20 - —
Chicago ....ton.30.85 - —
Cleveland ....ton.33.00 - —
Detroit ....ton.33.00 - —
Kansas City ....ton.30.93 - —
Los Angeles ....ton.42.00 - —
New York ....ton.31.50 - —
Philadelphia ....ton.31.90 - —
San Francisco....ton.42.00 - —
Toronto ....ton.39.50 - —
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines....ton. 7.00 - —
Cuban, crude, c.l., c.i.f....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
German, ungrd., bulk, c.l., ex dock..ton.13.00 -14.00
Italian, grd., bbls., e.s. ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .13 - 15
Belladonna leaves, bls.....lb. .12½- .14
Root, bls.....lb. .20 - .28
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .40 - .70
USP, X, dms., 50 to 100 lbs..lb. .65 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. ....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .71 - —
dms. ....lb. .67 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. ....lb. 4.15 - 5.00
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 3.00
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns. .....lb.16.75 - —
Sulphate, cns. ....lb.16.75 - —
Berberis root, bls.....lb. .11 - .12
Betanaphthol, sublim., kgs.....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. ....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .17 - .20
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars ....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. ....lb. 3.15 - —
Metal, ton lots.....lb. 1.10 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. ....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs. ....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib., dms.....lb. 1.13 - 1.18
Subcarbonate, bots., cns.....lb. 1.62 - 1.66
fib. dms.....lb. 1.53 - 1.56
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.98
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib., dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.42 - 1.46
fib. dms.....lb. 1.33 - 1.36
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 6.61 - —
fib., dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. ....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. ....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., l., frt. alld. E. lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E...lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E...lb. .06½- —
l.c.l., frt. alld. E.....lb. .06 - —
7, bbls., bgs., c.l., frt. alld E. lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
Bone black prices on Pacific Coast are 1c. per lb. higher. ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .06½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l, dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
4, cs., c.l., works.....lb. .29 - —
l.c.l., dlvd. .....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
Black carbon, standard, bgs., dlvd., rail zone B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0310- —
80,000 lbs., dlvd., Zone C, Pac. Cst. States.lb. .0285- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0341- —
F (Ala., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .03¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .03¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l. dlvd. .....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .09½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .05¾- —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works...lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y...lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y...lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y...lb. .14 - —
5, bbls., c.l., f.o.b. N. Y...lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .06¾- —
Black dyes are listed under dyes.
Black Haw, root bark, bls....lb. .20 - .21
Tree bark, bls.....lb. .12 - .13
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. ....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.60 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.90 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.70 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts, lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equald..lb. .16 - —
2, bbls. same basis.....lb. .18 - —
3, bbls., same basis.....lb. .19 - —
4, bbls., same basis.....lb. .20 - —
5, bbls., same basis.....lb. .23 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis..lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis.....lb. .20 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .23 - —
5, bbls., same basis.....lb. .25 - —
6, bbls., same basis.....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .29 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —

Antimony Oxide—Butyl Chlor.

Blue dyes are listed under Dyes.
Bluefing root, bls.....lb. .13 - .14
Blue mass, USP., cns.....lb. 1.10 - —
powd., cns.....lb. 1.12 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works..100 lbs. 4.10 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.25 - —
6-15 bbls., same basis, 100 lbs. 4.35 - —
1-5 bbls., same basis..... 100 lbs. 4.60 - —
Mononhydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 8.45 - 8.70
l.c.l. dealers.....100 lbs. 9.45 - 9.70
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -29.00
import, bgs., c.i.f. ports..ton.25.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.27.00 - —
import, 100-lbs. bgs., c.i.f ports, shipt..ton.24.00 - —
phosphate, precip., (see Calcium phosphate dibasic, precip.)
steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.26.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.50 - —
Boneset leaves, bales.....lb. .07 - .08
Borage flowers, bls.....lb. .17 - .18
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11¼- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .55
moulding, cns., dms., over 10 lbs..lb. .85 - .90
Bronze, gold printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .10 - .11
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, iron oxide, bbls., works, lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12¼- —
Group 2, bbls., same basis, lb. .11¼- —
3, bbls., same basis...lb. .10¼- —
4, bbls., same basis...lb. .08¾- —
5, bbls., same basis...lb. .08¾- —
6, bbls., same basis...lb. .06¼- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06¾- —
11, bbls., same basis..lb. .06¾- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10¾- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works, lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
l.c.l., ex whse., Kansas City..lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .32 - .33
Buckthorn bark, true, bls.....lb. .06 - .06½
cut and sifted, bbls.....lb. .9 - .11
Berries, bgs. .....lb. .16 - .17
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .04 - .04½
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., works..lb. .13 - .15
dms., c.l., frt. alld.....lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, contract, frt. alld..lb. .07½- —
tankwagons, frt. alld.....lb. .08 - —
secondary, dms., c.l., frt. pd. E. of Miss. R....lb. .068 - —
l.c.l., same terms.....lb. .073 - —
tanks, same terms.....lb. .058 - —
Butyl, alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .13½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .. ..lb. .23 - —

Butyl Crotonate—Charcoal

Butyl Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .75 - —
5 & 10 gal. dms., dlvd....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars .....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Iodide, 5-lb. bots. .....lb. 4.01 - —
25-lb. cns. .....lb. 3.87 - —
Lithopone (see Yellow)
Metal, pat. shapes, cs.....lb. .55 - —
commercial .....lb. .50 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs., or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs. .....lb. 2.35 - —
25-lb., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs. .....lb. 2.43 - —
25 lbs. .....lb. 2.55 - —
Caffeine, 10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
10-lb. cns., 1,000 lbs. or more.lb. 2.35 - —
100 lbs. .....lb. 2.47 - —
less than 100 lbs.....lb. 2.15 - —
5-lb. cans, 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns. .....lb. 1.80 - 2.10
Hydrobromine, bots. .....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .20 - .21
Calamus root, peeled, N.F., cs. lb. .14 - .15
bleached, bls. .....lb. .40 - .45
Calcium acetate, bgs., dlvd. 100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd....lb. 4.75 - —
l.c.l., f.o.b. warehouse...lb. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-85%, bgs., dms., c.l., dlvd.ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.25
Calcium gluconate, USP, gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns. .....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel, No. Atlantic ports, or f.o.b. cars, So. Atlantic ports..ton.28.00 - —
Palmitate, bbls. .....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f., Atlantic ports, shipt..unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., wks..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. .85 - —
Sulphocarbolate, bbls., 200 lbs..lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .28 - .30
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.52 - —
Camphor, natural, powd., cs...lb. .48½- .49½
slabs, cs.....lb. .48½- .49½
tablets, tins.....lb. .53½- .54
Camphor, synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots..lb. .46 - —
1,000-lb. lots.....lb. .47 - —
500-lb. lots.....lb. .48 - —
100-lb. lots.....lb. .49 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .0380- .0410
Morocco, bgs. .....lb. .0435- .0460
Turkish, bgs. .....lb. .0380- .0410
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .80 - .85
Russian, cs.....lb. .92 - .93
powd., bxs. .....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .09½- .10
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
95%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .53 - —
l.c.l., works.....lb. .54 - —
tanks, works.....lb. .52 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l. same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l., frt. alld. gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10 gal., dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10 gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½ gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l.,frt. alld.....gal. 1.20 - —
Zone 4, 52½ gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10 gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs. .....lb. .75 - .78
green, bgs. .....lb. .51 - .52
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .10 - .10½
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .07 - .07¾
5 tons, works.....lb. .08½- .09
smaller lots, works...lb. .09¾- .10
80-100 mesh, bgs., c.l., dlvd., lb. .07½- .08¼
5 tons, works.....lb. .09 - .09½
smaller lots, works.....lb. .10 - .10½
Import, Argent., 20-30 mesh, bgs., c.l., duty paid.lb. .08¾- .09
80-100 mesh, bgs., c.l., duty paid..lb. .09¼- .09½
French, 30 mesh, bgs., c.l., duty paid..lb. .09¼ Nom.
Cassia, Batavia, 1, bgs.....lb. .16 - .16½
shortstick, bls.....lb. .12½- .13
broken, bls.....lb. .10½- .11¼
China, rolls, select, bls.....lb. .09 - .09½
broken, extra, bls.....lb. .09½- .10
Saigon, bls. .....lb. .17¼- .17¾
Cassia, buds, cs.....lb. .15 - .15½
Cassia fistula, bakts.....lb. .08½- .09½
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½%, ammon., bgs., c.l., works..ton.16.50 - —
Import, bgs., c.i.f., ports, shipment..ton.19.00 - —
Catnep leaves, Southern, bls...lb. .18 - .20
western, bls. .....lb. .20 - .21
Celery seed, French, bgs.....lb. .15 - .15½
Indian, bgs.....lb. .12½- .13
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., cs., frt. alld...lb. .36 - —
Acetobutyrate, 10,000 lbs. and over..lb. .50 - —
5,000 to 9,980 lbs.....lb. .505 - —
2,500 to 4,980 lbs.....lb. .51 - —
1,000 to 2,400 lbs.....lb .515- —
100 to 900 lbs.....lb. .525 - .54
Acetopropionate, 10,000 lbs. and over..lb. .48 - —
5,000 to 9,980 lbs.....lb. .485 - —
2,500 to 4,980 lbs.....lb. .49 - —
1,000 to 2,400 lbs.....lb. .495 - —
100 to 900 lbs.....lb. .505 - .52
Triacetate, frt. alld.....lb. .42 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .21 - .27
Roman, bls.....lb. .28 - .32
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Charcoal, softwood, powd., bgs., c.l., dlvd., Colo..ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt....ton.30.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton.23.00 - —

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INTERMEDIATES

Charcoal, softwood, powd., bgs., c.l., dlvd., Kansas, El Paso, Tex.....ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn. .....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks...lb. .02 - —
l.c.l., bbls., wks.....lb. .02¼- —
tanks, wks.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto, Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock. ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs.....lb. .86 - .98
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorinated rubber, 5 cps., bgs., c.l., works..lb. .40 - —
ton lots, works.....lb. .42 - —
smaller lots, works.....lb. .45 - .50
10-1,000 cps., bgs., c.l., works, lb. .35 - —
ton lots, works.....lb. .37 - —
smaller lots, works.....lb. .40 - .45
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y...lb. .05¼- —
l.c.l., dlvd., N.Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, wks., frt. equald.. 100 lbs. 1.90 - —
2, works, frt. equald..100 lbs. 2.15 - —
1, works, frt. equald.100 lbs. 2.60 - —
Chloracetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 180-lb. cyls., works..lb. .80 - —
100 lb. cyls., works.....lb. .85 - —
5-25 lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works...lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton.14.00 -15.00
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms..100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, quill, USP., 10 in., medium, cs..lb. .52 - .58
20 in., thick, cs.....lb. .60 - .61
20 in., medium, cs.....lb. .58 - .59
USP, broken quill, red, bgs., lb. .20 - .25
yellow, bgs.....lb. .20 - .25
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns.100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .14½- .15
3 bls.....lb. .14¼- .14¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars, tubes..lb. .78 - —
Citronellal, bots, dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.65
Clove, Madagascar, bls.....lb. .15 - .15½
Zanzibar, bls.....lb. .17 - .17½
Clover tops, bgs.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works.....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .65 - .67
Carbonate, pwd., bgs., wks., lb. 1.25 - 1.60
Chloride, kgs., wks.....lb. .76 - 1.20
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8¼%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3¼%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bxs.....lb. .14 - .15
Cocoa butter, lump, bgs., c.l..lb. .11 - .11¼
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .06½- .07
Blue, root, bls.....lb. .06 - .07
Colchicine, bots., 4 ozs.....oz.20.00 - —
single ozs.....oz.21.00 - —
Colchicum seed, bgs.....lb. .24 - .25
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .25 - .26
Colombo root, bls.....lb. .07 - .08
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns.....lb. .22½- .23
S. A., USP, cns.....lb. .23½- .24

Copper acetate, normal, bbls., dlvd..lb. .21 - —
smaller containers, dlvd..lb. .23 - —
Carbonate, 52-54 pc., bbls...lb. .14½- .15½
20%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .13 - .14
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10 - .10½
Nitrate, cryst., bbls.....lb. .1580- .1630
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works. lb. .16¾- .17¾
red, com'l, 50-75%, kgs., f.o.b. N. Y..lb. .16¾- .17¾
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.19.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.45 - —
5-24, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0185 Nom.
Coriander seed, Morocco, bgs..lb. .04½- .04⅝
bleached, bgs.....lb. .06½- .06⅝
Corn sugar, chipped, bgs., c.l., dlvd..100 lbs. 3.04 - —
slabs, bbls., c.l.....100 lbs. 2.96 - —
solid, bbls., c.l.....100 lbs. 3.08 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.07 - —
43°, bbls., c.l.....100 lbs. 3.12 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.32 - —
gran., powd., dms., 50 lbs. or more..lb. 1.17 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed hull ash, 30-32% potash, bgs., dlvd..unit-ton. 1.00 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls....lb. .20 - .22
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .13½- .14
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .22¾- —
smaller lots, bbls.....lb. .23¼- —
kgs.....lb. .23¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .10 - —
l.c.l., same basis.....lb. .10½- —
special resin grade, dms., c.l., works..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cubé root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .28 - .30
powd., cs.....lb. .30 - .31
Culver's root, bls.....lb. .14 - .16
Cumin seed, Algerian, bgs....lb. .0790- .0815
Morocco, bgs.....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¼- .04½
Cyanamid, 27%NH_3, pulv., bgs., dlvd., contracts, NH_3-unit-ton. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —

D

Damiana leaves, bls.....lb. .15½- .16
Dandelion root, German, bls...lb. .14 - .15
Deertongue leaves, bls.....lb. .09½- .10
Degras, common, dom., bbls...lb. .07 - .08
English, bbls.....lb. .07 - .08
neutral, dom., bbls.....lb. .10 - .13
English, bbls.....lb. .10 - .13
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs., to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs..lb. .30 - .34

4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns.....lb. 2.25 - 2.35
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.40 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.60 - —
Potato, import, bgs.....lb. .07 - .07¾
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —

Diamylphenol (2, 4), dms., c.l., works..lb. .17- —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.l.f.....ton.30.00 - —
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .52 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .26½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0321- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l.....lb. .19½- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Digitalis leaves, dms.....lb. .37 - .38
Diglycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .13 - —
Stearate, bbls., c.l.....lb. .20 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l. dlvd.....lb. 1.05 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, Jamaica, bls., lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans, lb.13.50 - —
1180 Sodium indigo disulphonate, cns..lb.13.50 - —
Green:—
Fastgreen FCF, cns..lb.27.50 - —
666 Guinea green B., cns, lb.13.50 - —
670 Light green SF, yellowish, cns..lb.17.50 - —
Red:—
184 Amaranth, cns.....lb. 3.15 - —
773 Erythrosin, cns.....lb.17.50 - —
80 Ponceau 3R, cns.....lb. 6.00 - —
Ponceau SX, cns.....lb. 5.75 - —
Orange:—
150 Orange I, cns.....lb. 2.90 - —
Yellow:—
10 Naphthol yellow S, cns.lb. 8.50 - —
Sunset yellow FCF, cns, lb. 3.15 - —
640 Tartrazin, cns.....lb. 3.15 - —
22 Yellow AB, cns.....lb. 2.65 - —
61 Yellow OB, cns.....lb. 2.65 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .95 - 1.00
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN.lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05

Charcoal—Ephedra

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base...15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade.lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysolidin G.....lb. .95 - —
21 Chrysoldin R.....lb. .93 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .68 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .16½- .17
Egg albumen (see Albumen), yolk, bbls.....lb. .00 - .00
Elder flowers, bright, bls.....lb. .19 - .21
Elecampane root, bls.....lb. .09½- .10
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .24 - .25
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls.....lb. .09 - .10

Ephedrine—Gum Rosin

Ephedrine, tins, 1,000 ozs....oz.	1.25	-	—
tins, 100 ozs.....oz.	1.85	-	—
Hydrochloride, tins, 1,000 oz., lots..oz.	1.25	-	—
tins, 100 oz., lots.....oz.	1.35	-	—
Sulphate, cryst., tins, 1,000-oz. lots..oz.	1.25	-	—
tins, 100-oz. lots.....oz.	1.35	-	—
Epsom salt, tech., bgs....100 lbs.	1.80	-	—
bbls. .....100 lbs.	1.90	-	—
USP, cryst., dom., bgs., c.l., 100 lbs.	2.00	-	—
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs.	2.25	-	—
smaller lots....100 lbs.	2.50	-	—
bbls., c.l.....100 lbs.	2.10	-	—
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs.	2.35	-	—
smaller lots....100 lbs.	2.60	-	—
kgs., c.l.....100 lbs.	2.35	-	—
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs.	2.60	-	—
smaller lots.....100 lbs.	2.85	-	—
dried, dom., bgs., l.c.l...lb.	.08	-	.10
Ergot, USP, cns., dms.....lb.	1.35	-	1.40
Eserine, bots. .....oz.	42.00	-	—
Salicylate, bots. .....oz.	33.00	-	34.00
Sulphate, bots. .....oz.	30.00	-	—
Ether, acetic (see Ethyl acetate)			
Butyl, dms., c.l., dlvd.....lb.	.24½	-	—
l.c.l., dlvd. .....lb.	.25	-	—
cns. .....lb.	.28	-	.31
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs., lb.	.08	-	—
Sulphuric, conc., dms., 120 lbs., lb.	.09	-	—
cns., 27 lbs. .....lb.	.14	-	—
synth., dms., c.l., works..lb.	.08	-	—
l.c.l., works.....lb.	.09	-	—
USP, anesthesia, dms., 27 lbs., lb.	.26	-	—
USP, 1880, dms.....lb.	.39	-	.40
washed, dms. .....lb.	.37	-	.38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb.	.061	-	—
l.c.l., frt. a...d.....lb.	.066	-	—
tanks, frt. alld.....lb.	.061	-	—
95-98%, dms., c.l., frt. alld.lb.	.0655	-	—
l.c.l., frt. alld.....lb.	.0735	-	—
tanks, frt. alld.....lb.	.0595	-	—
N. F., VI, 90%, dms., 400 lbs..lb.	.09	-	—
cns., 35 lbs.....lb	.12	-	.15
USP, VIII, 60%, dms., 400 lbs..lb.	.07	-	—
cns., 35 lbs.....lb.	.12	-	—
Acetoacetate, dms., c.l., works, lb.	.27½	-	—
l.c.l., dms., works.....lb.	.28	-	—
Bromide, tech., dms.....lb.	.50	-	.55
Caproate, cns.....lb.	1.00	-	—
Chloride, dms.....lb.	.18	-	.20
Cinnamate, cns.....lb.	3.20	-	4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb.	.75	-	—
5 and 10 gal. dms., dlvd...lb.	1.00	-	—
Formate, cns., dms.....lb.	.23	-	.24
Iodide, bots.....lb.	5.01	-	—
Lactate, 55-gal. dms., works. lb.	.33½	-	—
5-gal. dms., works.....lb.	.37½	-	—
Oxalate, dms., frt. alld.....lb.	.22	-	—
Silicate, l.c.l., dms., works..lb.	.17	-	—
Vanillin, 25 lbs. lots., cns., lb.	5.25	-	—
5 lb. lots.....lb.	5.30	-	—
1 lb. lots, cns.....lb.	5.40	-	—
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb.	.45	-	—
contracts, 500 lbs. or more, frt. alld..lb.	.47	-	—
500 lbs. or more, frt. alld., lb.	.48	-	—
100 to 499 lbs., frt. alld., lb.	.50	-	—
smaller lots, works.....lb.	.55	-	—
Ethylene bromide, dms.....lb.	.65	-	.70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb.	.0545	-	.0650
West of Rockies, same basis..lb.	.0595	-	.06
l.c.l., works, E. of Rockies, frt. alld..lb.	.0644	-	.0650
West of Rockies, same basis..lb.	.0694	-	.07
Ethyleneglycol, dms., c.l.....lb.	.16	-	—
l.c.l. .....lb.	.17	-	.20
tanks .....lb.	.15	-	—
Monobutylether, dms., c.l., works..lb.	.18	-	—
l.c.l., works.....lb.	.19	-	.22
tanks, works.....lb.	.17	-	—
Monoethylether, dms., c.l., works..lb.	.15	-	—
l.c.l., works.....lb.	.16	-	—
tanks, works.....lb.	.14	-	—
Monoethylether, acetate, dms., c.l., works..lb.	.13	-	—
l.c.l., dms. .....lb.	.14	-	—
tanks, works.....lb.	.12	-	—
Monomethylether, dms., c.l., works..lb.	.17	-	—
l.c.l., works.....lb.	.18	-	—
tanks, works.....lb.	.16	-	—
Ethylidinanilin, dms.....lb.	.45	-	.47½
Eucalyptol, cns., dms.....lb.	.55	-	.57
Eucalyptus leaves, bls.....lb.	.07	-	.08
Eugenol, bgs., cns.....lb.	1.70	-	2.15
Euphorbia, bls.....lb.	.05	-	.06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.	14.00	-	17.50
glass, 20 mesh, bulk, works.ton.	9.75	-	13.25
pottery, bulk, Me., works...ton.	17.00	-	19.00
N.C. works.....ton.	17.00	-	19.00
Fennel seed, French type, bgs., lb.	.07¾	-	.08¼
Indian, bgs. .....lb.	.07¼	-	.07½
German, large, bgs.....lb.	.18		Nom.
Fenugreek seed, bgs.....lb.	.03¾	-	.04¼
Ferric Sulphate, anhyd., c.l., works..ton.	35.00	-	—
l.c.l. .....ton.	40.00	-	—
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb.	.10	-	—
smaller lots, works..lb.	.11	-	—
light, cs., 1,000 lbs. or over, works..lb.	.11	-	—
smaller lots, works..lb.	.12	-	—
water white, cs., 1,000 lbs., or over, works..lb.	.12	-	—
smaller lots, works...lb.	.13	-	—
Fir balsam, Canada ,cns....gal.	10.50	-	11.00
Oregon, bbls.....gal.	1.05	-	1.10
Fish berries, bgs.....lb.	.08	-	.09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton.	3.00	&	.10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.	.50	-	—
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton.	2.35	&	.50
Fish, menhaden, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, shipt-ton.	47.00	-	—
Flake, white, bbls., kgs.....lb.	.10¼	-	—
Fleaseed, French, black, bgs..lb.	.11¾	-	.12
Indian, blonde, bgs.....lb.	.07	-	07½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.	30.00	-	—
washed gravel, 85-5, f.o.b. Ill.-Ky. mines..net ton.	17.00	-	—
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.	18.00	-	—
imported, 85.5, duty paid, long ton.	23.50	-	—
Formaldehyde, bbls., c.l., works, lb.	.05¾	-	—
l.c.l. works.....lb.	.06¼	-	—
dms., c.l., works.....lb.	.05¼	-	—
l.c.l., works.....lb.	.05¾	-	—
tanks, works.....lb.	.04½	-	—
Fringetree bark, bls.....lb.	.12	-	.14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.	10.00	-	—
import, bgs., c.l., ex dock.ton.	23.00	-	—
l.c.l., ex whse.....ton.	30.00	-	—
Furfural, refd., dms., c.l., works, lb.	.15	-	—
l.c.l., works.....lb.	.17½	-	.25
tech., dms., contracts, 150,000 lbs..lb.	.10	-	—
c.l., works.....lb.	.12½	-	—
l.c.l., works.....lb.	.15	-	.20
tanks, works.....lb.	.09	-	—
Fusel oil, refd., dms., incl., dlvd., lb.	.15	-	.16½
Fustic extract, cryst., bbls....lb.	.22	-	.26
liquid, bbls.....lb.	.09¼	-	.13
solid, dms.....lb.	.17½	-	.19½

G

G salt, bbls.....lb.	.45	-	—
Galangal root, bls.....lb.	.09	-	.10
Gall extract, bbls.....lb.	.22	-	—
Gambier, common, cases.....lb.	.06¾		Nom.
plantation, cases.....lb.	.08¼	-	.09¼
Cubes, Singapore, cases....lb.	.08½	-	.09½
Extract, bbls. .....lb.	.06½	-	.09¼
Gasoline at refinery:—			
Bayonne, US motor, below 65 octane, tanks..gal.	.06	-	.06¼
65 octane and above, tanks, gal.	.06	-	.06¼
California, 54-58, tanks...gal.	.06½	-	.08
Gulf Coast, U.S. Motor, bulk, gal.	.05½	-	—
60-62, 390 e.p., bulk, export, gal.	.05½	-	—
60-62, 400 e.p., bulk, export, gal.	.05¾	-	—
64-66, 375 e.p., bulk, export, gal.	.05¾	-	—
Louisiana-Arkansas, US motor, 62 octane, tanks..gal.	.04	-	.04¼
63-65 octane, tanks....gal.	.04¼	-	.04½
67-69 octane, tanks....gal.	.04½	-	.04¾
70-72 octane, tanks....gal.	.04¾	-	.05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal.	.04½	-	.04¾
third grade, tanks..gal.	.04½	-	.04¾
63-66 octane, tanks....gal.	.04¾	-	.04¾
67-69 octane, tanks....gal.	.04¾	-	.04¾
70-72 octane, tanks....gal.	.04¾	-	.05¼
natural, 12-lb. v. p., tanks, gal.	.03¼	-	.03¾
14-lb. v.p., tanks.....gal.	.03¼	-	—
18-lb. v.p., tanks.....gal.	.02½	-	.02¾
22-lb. v.p., tanks.....gal.	.02¾	-	—
26-70 lb. v.p., tanks..gal.	.02½	-	—
Pennsylvania, US motor, below 60 octane tanks.. gal.	.04½	-	.04¾
65 octane, tanks.....gal.	.06¼	-	—
52-56 450 e.p., naphtha, tanks..gal.	.04¾	-	.05
Gelatin, silver, cs.....lb.	.42	-	.43
Geisemium root, bls.....lb.	.11	-	.12
Gentian root, bls.....lb.	.07	-	.07½
grd., bbls., bxs.....lb.	.09½	-	.10
powd., bbls., bxs.....lb.	.10½	-	.11
Geraniol, cns., dms.....lb.	.67	-	3.00
Geranyl acetate, bots., dms...lb.	1.20	-	2.50
Ginger root, African, bgs.....lb.	.03¾	-	.04
Cochin, lemon, bgs.....lb.	.06¾	-	.07¼
Jamaica, bold, bgs.....lb.	.12	-	.13
grinding, bright, bgs...lb.	.07¼	-	.07¾
medium, bgs.....lb.	.09¼	-	.10
Japanese, bgs. .....lb.	.05¾	-	.06¼
Ginseng fibers, cs. .....lb.	1.75	-	3.00
Root, cultivated, cs.....lb.	6.00	-	7.00
wild, Southern, cs.....lb.	10.00	-	14.00
Glauber's salt, anhyd. (See Soda Sulphate).			
cryst., dom., bgs., bbls., c.l., works..100 lbs.	.95	-	1.15
5 tons or over, works... 100 lbs.	1.05	-	1.25
less than 5 tons, works.. 100 lbs.	1.15	-	1.35
import., bgs. .....100 lbs.	1.05	-	1.25
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb.	.11½	-	—
l.c.l., dlvd.....lb.	.12	-	—
36/58, bgs., c.l., dlvd....lb.	.11	-	—
l.c.l., dlvd.....lb.	.11½	-	—
58/82, bgs., c.l., dlvd....lb.	.12½	-	—
l.c.l., dlvd.....lb.	.13	-	—
82/108, bgs., c.l., dlvd...lb.	.13	-	—
l.c.l., dlvd.....lb.	.13½	-	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb.	.15	-	—
l.c.l., same basis.....lb.	.15½	-	—
60/164, bgs., c.l., same basis, lb.	.16½	-	—
l.c.l., same basis.....lb.	.17	-	—
67/122, bgs., c.l., same basis, lb.	.17½	-	—
l.c.l., same basis.....lb.	.18	-	—
75/222, bgs., c.l., same basis, lb.	.18½	-	—
l.c.l., same basis.....lb.	.19½	-	—
88/251, bgs.,c.l.,same basis.lb.	.19½	-	—
l.c.l., same basis.....lb.	.20½	-	—
92/283, bgs.,c.l.,same basis.lb.	.20½	-	—
l.c.l., same basis.....lb.	.21½	-	—
102/315, bgs., c.l., same basis, lb.	.21	-	—
l.c.l., same basis.....lb.	.22	-	—
113/347, bgs., c.l., same basis..lb.	.22	-	—
l.c.l., same basis.....lb.	.23	-	—
125/870, bgs., c.l., same basis, lb.	.23	-	—
l.c.l., same basis.....lb.	.24	-	—
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.			
Glycerin, C.P., cns., l.c.l.....lb.	.14½	-	.15
dms., c.l., dlvd.....lb.	.12½	-	—
l.c.l., dlvd.....lb.	.13	-	—
tanks, dlvd.....lb.	.12¼	-	—
dynamite, dms.....lb.	Nominal.		
high gravity, dms., c.l., dlvd.lb.	.12	-	—
l.c.l., dlvd.....lb.	.12¼	-	—
tanks, dlvd.....lb.	.11¾	-	—
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb.	.09	-	—
l.c.l., same basis....lb.	.09¼	-	.10
tanks .....lb.	.08¼	-	—
for refiners, dms., returnable, tanks, dlvd..lb.	.08¾	-	.08¾
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb.	.07¾	-	.07¾
Glycol boriborate, dms.....lb.	.22	-	—
Phthalate, dms.....lb.	.38	-	—
Stearate, dms.....lb.	.24	-	—
Gold, U.S. purchase price.....oz.	35.00	-	—
Chloride, acid brown, bots..oz.	20.75	-	21.00
yellow, bots.....oz.	18.75	-	19.00
Gold-soda chloride, photo., bots., oz.	13.00	-	—
USP IX, bots.....oz.	14.50	-	14.75
Gold of pleasure seed, bgs.....lb.	.11¼	-	.12
Goldenseal root, bls.....lb.	2.75	-	2.80
powd., bxs.....lb.	3.15	-	3.20
Grains of paradise, bgs.....lb.	.38	-	.40
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb.	.06	-	—
bbls., c.l., works.....lb.	.06¼	-	—
l.c.l., works.....lb.	.06½	-	—
powd., amorph., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works....lb.	.02½	-	—
65% graphitic, carbon, bbls., c.l., works..lb.	.02¾	-	—
l.c.l., works.....lb.	.03¼	-	—
80% graphitic, carbon, bgs., c.l., works..lb.	.03½	-	—
bbls., c.l., works.....lb.	.03¾	-	—
l.c.l., works.....lb.	.04½	-	—
Grease, house, trcs.....lb.	.04¾	-	.04⅞
White, trcs.....lb.	.05½	-	.05⅝
Yellow, trcs.....lb.	.04⅞	-	.05
Wool (see Adeps lanae and Degras).			
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	.21	-	—
6-10%, bbls., same basis, lb.	.22	-	—
11-15%, bbls., same basis.lb.	.23	-	—
16-20%, bbls., same basis.lb.	.23½	-	—
21-25%, bbls., same basis.lb.	.24	-	—
26-30%, bbls., same basis.lb.	.24½	-	—
31-35%, bbls., same basis.lb.	.25½	-	—
36-40%, bbls., same basis.lb.	.27	-	—
41-45%, bbls., same basis.lb.	.28½	-	—
46-50%, bbls., same basis.lb.	.30	-	—
reduced, C.P., color content up 5%, same basis..lb.	.06	-	—
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago.			
reduced, C.P., color content up 5%, same basis..lb.	.06	-	—
6-10%, bbls., same basis.lb.	.06¼	-	—
11-15%, bbls., same basis.lb.	.07¼	-	—
16-16%, bbls., same basis.lb.	.07¼	-	—
17-19%, bbls., same basis.lb.	.07¾	-	—
20-21%, bbls., same basis.lb.	.08	-	—
22-23%, bbls. same basis. lb.	.08¼	-	—
24-25%, bbls., same basis.lb.	.08¼	-	—
26-27%, bbls., same basis.lb.	.08¾	-	—
28-29%, bbls., same basis.lb.	.09¼	-	—
30-31%, bbls., same basis.lb.	.10	-	—
32-33%, bbls., same basis.lb.	.11¼	-	—
34-35%, bbls., same basis.lb.	.12¼	-	—
36-40%, bbls., same basis.lb.	.14¼	-	—
41-45%, bbls., same basis.lb.	.16¼	-	—
46-50%, bbls., same basis.lb.	.16¾	-	—
51-55%, bbls., same basis.lb.	.17¼	-	—
56-60%, bbls., same basis.lb.	.17¾	-	—
61-65%, bbls., same basis.lb.	.18¼	-	—
66-70%, bbls., same basis.lb.	.19¼	-	—
71-75%, bbls., same basis.lb.	.20¼	-	—
Chrome oxide, doms., pure, bbls..lb.	.22	-	—
ceramic, light shades, bbls., c.l., works..lb.	.26	-	—
l.c.l., works .....lb.	.30	-	—
standard grade, bbls., works..lb.	.21	-	.23
Chrome, tetrahydroxide, bbls.lb.	.85	-	—
Paris (see P).			
Tungstated, brilliant, kgs....lb.	3.50	-	—
emerald, kgs.....lb.	2.85	-	—
Verdigris (see V).			
Green dyes are listed under Dyes.			
Grindelia robusta, bls.....lb.	.06	-	.09
Guaiac resin, cs.....lb.	.27	-	.28
strained, cs.....lb.	.75	-	.80
Wood, bls. .....lb.	.04	-	.05
Guaiacol, liq., djns.....lb.	1.65	-	1.91
Carbonate, fib, dms., 25 lbs..lb.	2.40	-	2.74
Guarana, powd., cs.....lb.	1.00	-	1.05
Gum, aloe (see A).			
Ammoniac, tears., cs.....lb.	.85	-	.90
Arabic, amber sorts, cleaned, bgs..lb.	.10½	-	.11
white sorts, 1, bgs.....lb.	.23	-	.24
2, bgs. .....lb.	.21	-	.22
white powd., bbls.....lb.	.13	-	.14
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Siam, cs.....lb.	1.40	-	1.60
Sumatra, cs.....lb.	.17	-	.18
Camphor (see C).			
Chicle, prime, 33% moisture, bgs., ton lots..lb.	.38	-	.39
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb.	.34½	-	—
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.			
2, cloudy, white, bgs., c.l., same basis..lb.	.20¾	-	—
3, selected pale straw bold, bgs., c.l., same basis..lb.	.17½	-	—
4, pale bold straw, bgs., c.l., same basis..lb.	.16¼	-	—
5, pale, straw bold, bgs., c.l., same basis..lb.	.14½	-	—
6, pale amber bold, bgs., c.l., same basis..lb.	.14¾	-	—
7, pale, straw bold, bgs., c.l., same basis..lb.	.11¾	-	—
8, light amber bold, bgs., c.l., same basis..lb.	.11¼	-	—
9, medium light amber, bold, bgs., c.l., same basis..lb.	.08¾	-	—
10, rescraped hard amber bold, bgs., c.l., same basis, lb.	.09¼	-	—
11, hard dark amber bold, bgs., c.l., same basis..lb.	.07¼	-	—
12, selected, bold sorts, bgs., c.l., same basis..lb.	.06½	-	—
13, dark sorts bold, bgs., c.l., same basis..lb.	.05¾	-	—
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb.	.15½	-	—
15, ordinary ivory sorts, bgs., c.l., same basis..lb.	.06¾	-	—
16, inferior ivory sorts, bgs., c.l., same basis..lb.	.05¾	-	—
17, pale, fingers, bgs., c.l., same basis..lb.	.14½	-	—
18, pale straw nubs, bgs., c.l., same basis..lb.	.11¾	-	—
19, pale straw nubs, bgs., c.l., same basis..lb.	.11¾	-	—
20, hard dark amber nubs, bgs., c.l., same basis..lb.	.06¼	-	—
21, ordinary selected nubs, c.l., same basis..lb.	.06¾	-	—
22, small mixed nubs, bgs., c.l., same basis..lb.	.06¼	-	—
23, dark mixed nubs, bgs., c.l., same basis..lb.	.06¼	-	—
Gum, copal, 24, No. 1, ivory nubs, bgs., c.l., same basis..lb.	.12¾	-	—
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb.	.06¼	-	—
26, pale, bold chips, bgs., c.l., same basis..lb.	.06	-	—
27, pale small chips, bgs., c.l., same basis..lb.	.05¾	-	—
28, pale dust, bgs., c.l., same basis..lb.	.04¾	-	—
East India, Batu, bold scraped, bgs., c.l., same basis..lb.	.05	-	—
unscraped, bgs., c.l., same basis..lb.	.04	-	—
chips, bgs., c.l., same basis, lb.	.03¾	-	—
dust, bgs., c.l., same basis..lb.	.03¾	-	—
nubs and chips, bgs., c.l., same basis..lb.	.03¾	-	—
black, bold, scraped, bgs., c.l., same basis..lb.	.06¾	-	—
unscraped, bgs., c.l., same basis..lb.	.04¼	-	—
nubs and chips, bgs., c.l., same basis..lb.	.04¼	-	—
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb.	.11¾	-	—
chips, bgs., c.l., same basis..lb.	.05¾	-	—
dust., bgs., c.l., same basis..lb.	.03¾	-	—
nubs, bgs., c.l., same basis..lb.	.03¼	-	—
Singapore, Rasak, bold, bgs., c.l., same basis.....lb.	.14	-	—
chips, bgs., c.l., same basis, lb.	.05¾	-	—
dust, bgs.,c.l.,same basis.lb.	.03¾	-	—
nubs, bgs., c.l., same basis, lb.	.03¾	-	—
Manila, Boeas, amber and dark, bakts., c.l., same basis..lb.	.11¼	-	—
light, bakts., c.l., same basis..lb.	.13¾	-	—
Loba A, bakts., c.l., same basis, lb.	.11	-	—
B, bakts..c.l.,same basis.lb.	.10¾	-	—
C, bakts., c.l., same basis, lb.	.10¾	-	—
CNE, bakts., c.l., same basis..lb.	.06½	-	—
D, bakts., c.l., same basis, lb.	.08¾	-	—
DK, bakts., c.l., same basis, lb.	.06¼	-	—
dust, bakts.,c.l., same basis, lb.	.05½	-	—
Sambas and white split chips, bakts, c.l., same basis..lb.	.14	-	—
Singapore, dust., bakts., c.l., same basis..lb.	.05½	-	—
spirit-soluble, CBB, bakts., basis..lb.	.08½	-	—
DBB, bakts., c.l., same basis..lb.	.08¼	-	—
MA, bakts., c.l., same basis, lb.	.06¾	-	—
MB, bakts., c.l., same basis, lb.	.06	-	—
WS, bakts., c.l., same basis, lb.	.08¼	-	—
Philippine, Manila, amber sorts, bakts., c.l., same basis..lb.	.06½	-	—
chips, pale, bakts., c.l., same basis..lb.	.03½	-	—
chips, pale, small, bakts., c.l., same basis..lb.	.07¼	-	—
extra pale sorts, bakts., c.l., same basis..lb.	.06¾	-	—
nubs, bakts., c.l., same basis..lb.	.10¾	-	—
pale, scraped, bakts., c.l., same basis..lb.	.11¾	-	—
seeds and dust, bakts., c.l., same basis..lb.	.05¾	-	—
Pontianak, bold, genuine, bgs., same basis..lb.	.15¼	-	—
mixed, bgs., c.l., same basis..lb.	.13¾	-	—
split, bgs., c.l., same basis, lb.	.12	-	—
chips, bgs., c.l., same basis, lb.	.07½	-	—
nubs, bgs., c.l., same basis, lb.	.10½	-	—
Dammar, Batavia, A, cs., c.l., same basis as copal..lb.	.20	-	—
A/D, cs., c.l., same basis..lb.	.13¾	-	—
A/E, cs., c.l., same basis..lb.	.11¾	-	—
B, cs., c.l., same basis..lb.	.18½	-	—
C, cs. c.l., same basis....lb.	.14½	-	—
D, cs., c.l., same basis...lb.	.12¼	-	—
dust., cs., c.l., same basis.lb.	.05¾	-	—
E, cs., c.l., same basis...lb.	.07¾	-	—
F, cs., c.l., same basis...lb.	.07¼	-	—
Singapore 1, cs., c.l., same basis..lb.	.13¾	-	—
2, cs., c.l., same basis....lb.	.10¾	-	—
3, cs., c.l., same basis....lb.	.05¾	-	—
chips, cs., c.l., same basis.lb.	.09¼	-	—
dust., cs., c.l., same basis, lb.	.05¾	-	—
seeds, cs., c.l., same basis, lb.	.07¾	-	—
Elemi, cns., c.l., same basis as copal..lb.	.06½	-	—
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 16,000 lbs., lb.	.06	-	.06¾
less than 10,000 lbs., same basis..lb.	.06½	-	.07
dlvd., western N.Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. .....lb.	.06¾	-	.07
l.c.l., same basis.....lb.	.07	-	.07½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l..lb.	.07	-	.07½
l.c.l., same basis.....lb.	.07¼	-	.07¾
Euphorbium, cs. .....lb.	.22	-	.23
Galbanum, cs. .....lb.	1.00	-	1.50
Gamboge, pipe, cs.....lb.	.55	-	.60
powd., bbls.....lb.	.60	-	.65
Ghatti, soluble, bgs.....lb.	.11	-	.12
superior, bgs. .....lb.	.09	-	.11
Guaiac (see Guaiac resin).			
Karaya, bbls., bxs., dms....lb.	.14	-	.26
Kauri, brown, XXX, cs., c.l., lb.	.60	-	—
BX, cs., c.l., same basis..lb.	.33	-	—
B1, cs., c.l., same basis..lb.	.32	-	—
B2, cs., c.l., same basis..lb.	.24	-	—
B3, cs., c.l., same basis..lb.	.15½	-	—
80% chips, cs., c.l., same basis..lb.	.12½	-	—
pale, XXX, cs., same basis, lb.	.61	-	—
1, cs., c.l., same basis..lb.	.41	-	—
2, cs., c.l., same basis..lb.	.24	-	—
3, cs., c.l., same basis..lb.	.17¾	-	—
Kino, tins.....lb.	3.50		Nom.
Mastic, cs., c.l., same basis as copal..lb.	.35	-	.50
Myrrh, USP, cs.....lb.	.30	-	.40
Olibanum, siftings, bls.....lb.	.07½	-	.10
tears, cs. .....lb.	.15	-	.24
Opium (see O)			
Rosin (see R)			

Gum, sandarac, cks., c.l., same basis as copal..lb. .15 - .19
Scammony, cs. ..lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs. ..lb. .09½- .09½
Talha, bgs.....lb. .07½- .08
Thus, bbls. ..280 lbs.14.50 -14.75
Tragacanth, Alleppo, 1 cs...lb. 2.25 - 2.50
2, cs. ..lb. 1.90 - 1.95
3, cs. ..lb. 1.60 - 1.65
flake, bgs. ..lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Hawthorn berries, bgs.....lb. .20 - .21
Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls. lb. .11½- .12
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .05¼- .05½
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .08 - .09
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs., or more shipments, same basis, lb. .38 - —
fib. ctns., works.....lb. .40 - —
more, works..lb. .30 - —
Homatropine hydrobromide, bots., 50 ozs..oz.12.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.05 - —
Hops, N. F., bls.....lb. .15 - .20
Horehound, bls.....lb. .08¼- .09
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz. .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .36 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E.ofMiss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, crbys., bbls.....lb. .25 - —
ext., bbls. .....lb. .13 - —

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs...lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.05
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.20 - 1.25
Irish moss, ordinary, bls.....lb. .09 - .10
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .18 - .21
Iron acetate, N. F. IV, cbys. 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferris), tech., anhydr. 300-lb., dms.....100 lbs. 4.65 - 6.25
150-lb., dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
Iron, chloride, liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots .....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02⅝- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .35
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., bbls., 275 lbs..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals..
E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld..lb. .10 - —
55 gls., c.l., E. of Rockies, frt. alld..lb. .081 - —
W. of Rockies, frt. alld, lb. .06½- —
l.c.l., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld, lb. .07 - —
tanks, E. of Rockies, frt. alld., lb. .051 - —
W. of Rockies, frt. alld..lb. .05½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —
l.c.l., E. of Miss., frt. alld..gal. .40 - —
W. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .15 - .18
powd., bbls., bxs.....lb. .20 - .22
Juniper berries, bgs.....lb. .05 - .05½

K

Kamala, tins.....lb. .21 - .22
Kaolin (see China clay).
Kava kava root, bls.....lb. .12½- .18
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks.gal. .04¼- .04⅜
Gulf ports, p.w., bulk, export, gal. .03⅝- .03⅞
w.w., bulk..gal. .04 - —
Louisiana - Arkansas, 41-43 w.w, bulk..gal. .04 - .04⅜
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅞- .04¼
42-44 w.w., tanks.....gal. .04¼- .04⅜
Pennsylvania, 45 w.w., tanks, gal. .04⅝- .04⅞
46 w.w., tanks.....gal. .04⅝- .05
47 w.w., tanks.....gal. .04⅞- .05½
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08 - —
Chicago .....gal. .10 - —
Cincinnati .....gal. .12 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans .....gal. .11 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07 - .08

L

Lady slipper root, bls.....lb. .39 - .40
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 7.00 - 7.25
Middlewestern, trcs....100 lbs. 6.90 - 7.00
Neutral, trcs. .....100 lbs. 7.50 - 7.75
Western, choice, trcs..100 lbs. 7.00 - 7.10
Compound, trcs. .....100 lbs. 8.75 - 9.00
Larkspur seed, bgs.....lb. .34 - .35
Laurel berries, bls.....lb. .09 - .10
Leaves, Greek, bls.....lb. .04 - .04½
Lavender flowers, ordinary, bls.lb. .25 - .27
medium, bls.....lb. .34 - .35
select, bls.....lb. .40 - .45
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .12 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., c.l., dealers..lb. .10 - —
l.c.l., bgs., dealers.....lb. .10¼- —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 98 lbs or over; no frt. or truck allowance for works or whse pick ups.
Lead, blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ala., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. .....lb. .06½- —
l.c.l., dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs...lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works...lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .15
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .45 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
other points .....lb. .07¾- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore and Wash.lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¾- —
other points.....lb. .07¾- —
smaller lots, etc.....lb. .08½- —
Ariz., etc.....lb. .09 - —
Ohio., etc.....lb. .08¾- —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb. .07¾- —
other points.....lb. .07½- —
l.c.l., 5 tons, dlvd., Ala., etc...lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
96%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .08 - —
other points.....lb. .07¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .08¼- —
other points.....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls. .....lb. .11¼- —
precip., bbls. .....lb. .16¼- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
smaller lots, E. frt. alld. lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
basic sulphate, l.c.l., dlvd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers..lb. .12¼- —
dealers .....lb. .10¼- —
painters .....lb. .11¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60
Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .15 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newals, Ala.....ton. 6.25 - —
Ripplemead, Va. ....ton. 7.00 - —

Gum, Sandarac—Lycopod.

Lime, chemical (quicklime) lump or pebble, bulk, f.o.b. Riverton, Va. ton. 7.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., f.o.b., Bellefonte, Pa...ton. 8.00 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 8.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newals, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Orenda, Va.....ton. 7.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte,, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08¼
dms., same basis.....lb. .16½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¼- .09¼
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .06½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .19
Zone 4, tanks, dealers, wks., gal. .06 - —
dms., wks, except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers.....gal. .06½- —
30-50 dms.....gal. .11 - .15
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 3. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.
Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .26 - .27
without leaves, bls.....lb. .18 - .19
Linseed, cake, bgs., export...ton.28.00 -28.50
Meal, 34%, bgs.....ton.39.50 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06½- —
dlvd., other points....lb. .06¼- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06¾- —
smaller lots, dlvd., Ala., etc. lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo., etc.....lb. .07¾- —
other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd...lb. 1.90 - —
50 lbs., works.....lb. 1.95 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.20
Lithopone, dom., high-strength, bgs., 20 tons, dlvd., E. or ex whse, Pac. Cst.....lb. .05½- —
smaller lots, same basis.lb. .06¾- —
bbls., 20 tons, same basis.. lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 20 tons, same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¼- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb. .06¾- —
Liverwort leaves, bls.....lb. .20 - .25
Lobelia herb, bls.....lb. .11 - .12
Seed, bgs.....lb. .24 - .25
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .24 - .28
import, bls.....lb. .25 - .27
Lupulin, N. E., tins.....lb. 1.50 - 1.55
Lycopodium, cs.....lb. 1.15 - 1.25

MAY 1939

Mace—Oil, Cubeb

M

Mace, Banda, cs.....lb. .49 - .50
Batavia, cs.....lb. .32½- .33
Siauw, cs.....lb. .37 - .38
Madder, Dutch, bbls......lb. .22 - .26
Magnesia arsenate, dms......lb. .18 - .20
Calcined, tech., USP bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l...lb. .06¾- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, Zone 1., bbls., c.l....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l., shipments, full frt alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.,; prices f.o.b., Plymouth Meeting House, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, flake, dom., bbls., wks., c.l..ton.32.00 - —
l.c.l. bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls......lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls......lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton.....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
Import, bags.....ton.56.00 -60.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs...lb. .25 - —
dms., 25 lbs......lb. .30 - —
kgs., 100 lbs......lb. .28 - —
Trisilicate, cs., 500-lb. lots...lb. .59 - —
100-lb. lots.....lb. .55 - —
cns......lb. .75 - .80
Malva flowers, black, bls......lb. .35 - .45
blue, bls......lb. .35 - .45
Leaves, bls......lb. .11 - .12
Manaca root, bls......lb. .17 - .18
Mandrake root, bls......lb. .09 - .10
Manganese acetate, dms......lb. .26½- —
Arsenate, bgs......lb. .12 - .12½
Borate, tech., bbls......lb. .15 - .16
Carbonate, bbls......lb. .19 - —
Chloride, bbls......lb. .07½- .07¾
Dioxide, African, battery, 84-87% bgs., 28-40 tons, wks..ton.54.60 - —
5-15 tons, wks......ton.57.00 - —
½-4 tons, wks......ton.62.50 - —
300-600 lbs., wks....ton.72.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works...ton.54.50 - —
smaller lots, works..ton.59.50 - —
burlap bgs., c.l., works.ton49.25 - —
burlap bgs., l.c.l., 5 tons, works..ton.52.25 - —
smaller lots, works.ton.57.25 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works..ton.50.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.01 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
Glycerophosphate, solut., djns., 1,000-lb. lots..lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs......lb. .81 - —
Hydrate, bbls., dlvd......lb. .82 - —
Iodide, bots., 5 lbs......lb. 5.45 - —
jars, 25 lbs......lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19¼
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Alt. ports..unit-ton. .28 - .29 Nom.
Resinate, fused, 3½%, bbls...lb. .08¼- .08½
precip., dms......lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 55%, MnSo4, bgs., c.l., dlvd, South..ton.48.75 - —
l.c.l., bgs.....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt...ton.24.75 - —
Manna flake, large, cs.....lb. .45 - .46
small, cs.....lb. .24 - .25
Mannitol, reagent, pure cryst., cs., works..lb 1.05 - 1.10
commercial, cryst., bbl., ton lots, works..lb. .46 - —
smaller lots, works.....lb. .57 - —
Marble flour, bgs......ton.12.00 -14.00
Marjoram, French, bbls.....lb. .25 - .25½
Tunisan, bls. .....lb. .23 - .24
Matico leaves, bls......lb. .22 - .23
Menthol, USP, natural, cs...lb. 2.95 - 3.05
synthetic, tech., cs......lb. 2.25 - —
USP, cs......lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs......lb. .85 - —
25 lbs.....lb. .87 - —
50%, pails, 50 lbs.....lb. 1.23 - —
25 lbs.....lb. 1.25 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs......lb. 1.90 - 1.94
fib., dms., 100 lbs.....lb. 1.77 - —
jars, 25 lbs.....lb. 1.79 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs.lb. 3.81 - 3.85
cns., 25 lbs.....lb. 3.70 - 3.75
fib., dms., 100 lbs.....lb. 3.70 - 3.75
yellow, bots., 5 lbs.....lb. 3.91 - 3.95
cns., 25 lbs.....lb. 3.80 - —
fib., dms., 100 lbs.....lb. 3.80 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl...lb. 1.51 - —
USP, fib. dms., 50 lbs. or more..lb. 2.03 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.29 - —
fib., dms., 25 lbs.....lb. 1.17 - 1.22
Mesityl oxide, cns., works......lb. .16 - .18
dms., c.l., dlvd......lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd......lb. .10½- —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
Metal leaf, gold, XX deep, 23K 3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅝x3⅝ in.....pkg.22.50 -23.00
3⅞x3⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.40 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs......lb. .65 - —
Methanol, natural, denat., grade. tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.

synth., pure, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd., gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R...lb. .10½- —
W. of Miss. R......lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R...lb. .11 - —
W. of Miss. R......lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss R......lb. .10¼- —
tech., dms., c.l., dlvd., E. of Miss. R...lb. .07 - —
W. of Miss. R......lb. .08 - —
l.c.l., dlvd. E. of Miss., R...lb. .07½- —
W. of Miss R. .....lb. .08¼- —
tanks, dlvd. E. of Miss. R., lb. .06 - —
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, tanks....gal. .25 - —

Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4 .....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .48 - —
4 .....gal. .605 - —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .315 - —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Alcohol (see Methanol).
Anthranilate, bots......lb. 2.10 - 2.20
Benzoate, cns., 25 lbs......lb. .70 - 1.80
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl...lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl...lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls......lb. 1.85 - 2.00
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., dlvd...lb. .30 - —
Iodide, bots......lb. 3.68 - 3.88
Salicylate, dms......lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls......lb. .38 - —
permanent, bbls. .....lb. .90 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis. lb. .28 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs......lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Methylheptenone, bots......lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works......gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp. bots.....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l......lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
160 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
Metronite pigment, 325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works.ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E...lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E...lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. all., E...lb. .04½- —
l.c.l., ex-whse., or frt. all., E...lb. .04¾- —
rubber, bgs., c.l., frt. alld. E., lb. .04 - —
l.c.l., ex-whse., or frt. alld., E...lb. .04½- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed roller, bbls., c.l...lb. .06 - —
l.c.l. .....lb. .07 - —
spray, bbls., c.l......lb. .06½- —
l.c.l. .....lb. .07½- —
unskimmed, roller bbls., c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l......lb. .16½- —
l.c.l. .....lb. .17½- —
Millet seed, yellow, bgs......lb. .0350- .0375
early fortune, bgs......lb. .0250- .0300
hulled, bgs......lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P. naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .04½- —
f.o.b., New Orleans....gal. .03¾- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 2.90
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .55 - —
Monobutylamine, dms., c.l., works..lb. .62 - —
l.c.l. .....lb. .65 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniliin, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs......oz.11.10 - —
cns., 25 ozs......oz.10.90 - —
Acetate, bots., 5 ozs......oz. 9.00 - —
cns., 25 ozs......oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs. .....oz. 8.75 - —
Sulphate, bots., 5 ozs......oz. 9.00 - —
cns., 25 ozs......oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns......lb. .78 - .80
Leaves, bls. .....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.25 - —
5 lbs. to 75 lbs......lb. 3.50 - —
1 lb. .....lb. 3.65 - —
ketone, cns., 100 lbs. or more. lb. 3.40 - —
5 lbs. to 75 lbs......lb. 3.65 - —
1 lb. .....lb. 3.80 - —
xylol, cns., 100 lbs., or more, lb. 1.00 - —
5 lbs. to 75 lbs......lb. 1.10 - —
1 lb. .....lb. 1.25 - —
Musk root, bls......lb. .11 - .14
Mustard seed, Bombay, brown, bgs..lb. .03¾- .04¼
California, brown, bgs.....lb. .05¾- .06¼
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .08¾- .09
Dutch, yellow, bgs.....lb. .08 - .08½
English, yellow, bgs.....lb. .09¼- .09½
Roumanian, yellow, bgs....lb. .05½- .06
Myrobalans, J1, bgs., shipt..ton.24.00 - —
J2, bgs., shipt......ton.17.00 - —
R2, bgs., shipt......ton.16.75 - —
Extract, liquid, 25%, bbls.....lb. .03¾- —
solid, 50% bbls......lb. .04¼- —
powdered, 70% bbls......lb. .05 - —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works.. 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.75 - 2.85
import, bgs., Atl. port.100 lbs. 1.60 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .05¾- —
50-lb., cs., same basis...lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
Chipped, crushed, bbls., same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .05¾- —
Nerolin, cryst., cns......lb. 1.25 - 1.35
Nickel carbonate, bbls......lb. .36 - .36½
Chloride, bbls......lb. .18 - .20
Oxide, black, bbls......lb. .35 - .38
Salt, bbls.....lb. .13 - .13¾
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb., tins.....lb. .86½- —
Nitercake, bulk, works......ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis., dlvd.....unit-ton. 1.90 - —
f.o.b. Chemical, Ill., unit-ton. No prices.
East Coast producing points..unit-ton. 2.45 Nom.
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls......lb. .24 - .25
Nutgalls, Alleppo, bgs., cs..lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs......lb. .19½- —
110s, bgs., cs.....lb. .16¾- .17
West Indian, bgs.....lb. .10 - .10¼
Nux vomica, bls......lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾ —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots. .....lb. 1.90 - 2.00
s.p.a., bots. .....lb. 1.95 - 2.05
sweet, true, exp., cns......lb. .57 - .58
Amber, crude, cns..... .....lb. .20 - .21
ref'd, cns......lb. .50 - .51
Amyris, cns......lb. 3.00 - 3.25
Angelica root, bots......lb.40.00 -45.00
seed, bots......lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms......lb. .70 - .75
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks.....lb. .06¼ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.15 - 1.20
55-60% phenols, cns.....lb. 1.25 - 1.30
Bergamot, artif., cns......lb. 1.25 - 1.30
natural, coppers......lb. 3.65 - 3.85
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms......lb. .15 - .18
rectified, cns......lb. .60 - .65
Bois de rose, Brazil, cns......lb. 1.55 - 1.60
Cayenne, cns......lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms......lb. .44 - .46
USP IX, cns.....lb. .50 - .52
Calamus, cns......lb. 5.50 - 6.00
Camphor, sassafrassy, cns....lb. .30 Nom.
dms. .....lb. .27 Nom.
white, cns......lb. .30 Nom.
dms. .....lb. .27 Nom.
Cananga, native, cns......lb. 1.25 - 1.30
rectified, cns......lb. 1.80 - 1.85
Capsicum (oleoresin), N. F. VI, cns..lb. 1.90 - 2.00
Caraway, USP, cns......lb. 1.75 - 1.80
Cardamom, bots......lb.13.25 -25.50
Cassia, USP, cns., dms......lb. .85 - .90
Castor, blown, one-way dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11 - —
medicinal, bbls., c.l......lb. .08¾- —
l.c.l. .....lb. .09½- —
cns. (1-gal.), l.c.l......lb. .12½- —
dms. (returnable), c.l.....lb. .08½- —
l.c.l. .....lb. .09¼- —
(5-gal.), l.c.l.....lb. .10½- —
tanks .....lb. .08 - —
No. 3, bbls., c.l......lb. .08¼- —
l.c.l. .....lb. .09 - —
dms. (returnable), c.l.....lb. .08 - —
l.c.l. .....lb. .08¾- —
tanks .....lb. .07½- —

Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l., prices ¾c. higher than N. Y.; eneway dms., ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
75% (63% fat), dms., c.l..lb. .08¾- —
l.c.l. .....lb. .09¾- —
80% (68% fat), dms., c.l..lb. .09¾- —
l.c.l. .....lb. .10¼- —
Cedarleaf, cs. .....lb. .60 - .62
dms. .....lb. .55 - .57
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms......lb. .18½- .23
Celery, bots......lb. 7.50 - 8.75
Chaulmoogra, USP, cns., 500 lbs. lb. .72½- —
25 lbs. .....lb. .75 - —
Chinawood, dms......lb. .17¾ Nom.
tanks .....lb. .17¼ Nom.
Cinnamon, Ceylon, bots......lb. 8.50 -25.00
Seychelle, bots......lb. 6.50 - 7.50
Citronella, Ceylon, cns......lb. .35 - .36
dms. .....lb. .33 - .34
Java, cns., dms......lb. .27 - .28
Clove, makers, USP, cns...lb. .98 - —
dms. .....lb. .95 - —
Coconut, Manila, crude, tanks, lb. .03¼- —
Pac. Cst.....lb. .02½- .03
edible, 76°, tax incl., dms., (returnable), c.l..lb. .08¼- —
l.c.l. .....lb. .08¾- —
tanks .....lb. .07¾- —
Cod, Newfoundland, shipt., un-tanked..gal. .32 - .33
Norwegian, shipt., bbls..gal. .27 - .30
Codliver, med., USP, bbls..bbl.20.00 -21.00
Coriander, bots......lb.12.75 -13.00
Corn, crude, tanks, works.....lb. .06 - .06¼
refd., bbls. .....lb. .08¾- .09
Cottonseed, dom., cooking, bbls..lb. .08¼- —
salad, bbls. .....lb. .08½- —
Import, Brazilian, semi-refd., bulk..lb. .0380- Nom.
Creosote (see C).
Croton, USP, cns......lb. 1.30 - 1.35
Cubeb, USP, cns......lb. 2.50 - 2.75

Oil, crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import, cns.....lb. 12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.65 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 2.70 - 3.00
weed, bots.....lb. 3.75 - 3.80
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.55
Eucalyptus, cns. .....lb. .34 - .35
dms. .....lb. .32 - .33
Fennel, sweet, cns. .....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .75 - .80
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. .95 - 1.05
Tuesday .....bbl. .95 - 1.05
Wednesday .....bbl. .95 - 1.05
Thursday .....bbl. .95 - 1.05
Friday .....bbl. .95 - 1.05
Saturday .....bbl. .95 - 1.05
North Texas, 18-22.....bbl .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.05
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.10
24-28, 15 and above.....bbl. .85 - .90
Pennsylvania, 36-40.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .04¾- —
2, bulk, same basis.....gal. .03¾- —
4, bulk, same basis.....gal. .03¾- —
Louisiana - Arkansas, 32-36, light straw..gal. .03¼- .03½
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03¾- .03½
36-38 .....gal. .03¾- .03¾
38-40, straw .....gal. .03¾- .03¾
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04 - —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02¾- .03¼
Oklahoma, bulk.....gal. .02¾- .03½
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.70 - 3.50
Bourbon, cns. .....lb. 2.65 - 2.85
Turkish (see Palmarosa).
Grapefruit, cns. .....lb. 1.55 - 1.75
Grapeseed, dms. .....lb. .40 - .60
Ginger, dist., bots.....lb. 4.85 - 5.00
Guaiac wood, concrete, bots.lb. 2.50 - 2.65
Haarlem, import, bots....gross. 3.15 - 3.25
Halibut-liver, dms., 1,000 A unit..gal. .75 - 1.00
Hemlock, cns. .....lb. .65 - .70
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lbs., dms..lb. .38 - .39
cns .....lb. .40 - .41
Lard, common, 1, bbls.....lb. .08¾- —
2, bbls. .....lb. .08½- —
extra, bbls. .....lb. .09 - —
1, bbls. .....lb. .08¾- —
Oil, lard, winter, strained, extra, bbls..lb. .09¼- —
prime burning, bbls.....lb. .09¾- —
prime, ined., bbls.....lb. .09½- —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 1.60 - 1.65
Lavender flower, French, 50% ester, cns..lb. 4.50 - 4.75
38-42% ester, cns.....lb. 3.25 - 4.00
35-38% ester, cns.....lb. 2.75 - 3.00
30-32% ester, cns.....lb. 2.00 - 2.25
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.00
Lemon, Calif., cns.....lb. 2.40 - —
Messina, coppers, cns.....lb. 2.75 - 3.25
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., Mexican, cns....lb. 2.50 - 2.60
West Indian, cns.....lb. 3.10 - 3.15
expressed, cns.....lb. 6.50 - 6.75
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l...lb. .0920- .0940
l.c.l., 5 or more.....lb. .0960- .0980
less than 5.....lb. .1000- .1020
tanks .....lb. .0860- .0880
double boiled, bbls., less than lb. .1020- .1040
raw, bbls., c.l.....lb. .0880- .0900
l.c.l., 5 or more.....lb. .0940- —
less than 5.....lb. .0980- —
tanks .....lb. .0820- .0840
Lovage, bots. .....lb. 41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks..gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks.....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
neutrals, 300 vis., 3½ color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
18-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Oil, lubricating, Penn., bright, 100 cold test, 10-15 pour, tanks..gal. .15 - —
cylinder, 600 fire, tanks, gal. .08½- —
600 flash, tanks.....gal. .10 - —
630 flash, tanks.....gal. .13 - —
635 fire, tanks.....gal. .09 - —
650 fire, tanks.....gal. .09¼- —
Warren, E, amber, tanks, gal. .11 - —
neutral, 150 vis., 3 color, tanks..gal. .14½- —
180 vis., 3 color, tanks..gal. .15½- —
200 vis., 2 color, tanks..gal. .16½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .22 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .15½- —
600 flash, s.r., bbls., c.l., gal. .17½- —
630 flash, bbls., c.l., f.a.s., gal. .20½- —
Unfiltered, Warren, E, bbls., c.l., f.a.s..gal. .20 - —
smaller lots, f.o.b..gal. .21 - —
Mace, dist., cns., dms.....lb. 1.12 - 1.15
Mandarin, superior, coppers..lb. 5.75 - 6.00
Menhaden, crude, tanks, f.o.b. Balto..gal. .32 Nom.
refd., alkali, dms.....lb. .0720- —
tanks .....lb. .0660- —
refd., blown, dms.....lb. .0720- —
kettle-bodied, dms.....lb. .0820- —
light, pressed, dms.....lb. .0660- —
tanks .....lb. .0600- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.60 - 1.65
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls. .....gal. .65½- .70
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .09¼- —
1, bbls.....lb. .08¾- —
pure, bbls.....lb. .12 - —
prime, bbls.....lb. .09¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 85.00 - 140.00
Nutmeg, USP, cns., dms....lb. 1.12 - 1.15
Oiticica, dms. .....lb. .11 - .12
Oleo, 1, bbls.....lb. .08 - —
2, bbls. .....lb. .07½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .84 - .85
edible, bbls.....gal. 1.75 - 2.00
foots, bbls.....lb. .07 - .07¼
sulphonated, 50% (43% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
80% (68% fat), dms., c.l..lb. .14½- —
l.c.l. .....lb. .15½- —
Orange sweet, dist., cs.....lb. .50 - —
Expressed, African, cns., dms. lb. .80 - .85
Calif., cns.....lb. 1.00 - —
Messina, USP, coppers.lb. 2.00 - 5.00
West India, cns.....lb. 1.70 - 1.75
Origanum, cns.....lb. .90 - 1.00
Orris, Florentine, concrete, extra strong bots..oz. 4.75 - 5.50

Oil, Crude—Oil, Sesame

Oil, Palm, Niger, csks.....lb. .03¾- .03¾
shipment .....lb. .300 Nom.
softs, 12½%, bulk, shipt....lb. .0280 Nom.
20%, bulk, shipt.....lb. .0265 Nom.
Sumatra, shipt., bulk.....lb. .0270 Nom.
Palmarosa, cns.....lb. 2.00 - 2.25
Palmkernel, bulk, shipt.....lb. .0340 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. S..gal. .05¾- —
Patchouli, bots.. cns.....lb. 3.35 - 6.50
Peanut, crude, dom., tanks..lb. .05¾- .06
refd., edible, bbls.....lb. .08¾- .09
Pennyroyal, dom., cns.....lb. 2.10 - 2.15
import, cns. .....lb. 1.85 - 1.90
Peppermint, natural, cns., dms. lb. 2.15 - 2.40
redist., USP, cns., dms....lb. 2.40 - 2.65
Perilla, dms.....lb. .09¾- .09¾
tanks .....lb. .0920- —
Petitgrain, Paraguay, cns...lb. .80 - .85
Pimento berry, cns.....lb. 3.35 - 3.65
leaf, cns.....lb. 2.30 - 2.40
Pine, dest.-dist., straw-color, dms., divd., E. ports....gal. .50 - .52
steam-dist., dms.....gal. .52 - —
tanks .....gal. .54 - —
Pinewood, Siberian, cns.....lb. .95 - 1.00
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .23 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .26 - —
Rapeseed, blown, bbls.....lb. .14 - .14½
denat., bbls. .....gal. .80 - .82
Red, dist. or saponif, bbls., divd..lb. .07¾- .08¾
dms., divd.....lb. .07¼- .08¾
tanks, divd.....lb. .06½- .07½
white, dms.....lb. .10¾- .11¼
Rose, artif., bots.....oz. 2.00 - 6.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 3.75 - 3.95
Sage, cns.....lb. 1.60 - 1.65
Sandalwood, E. I., USP, cns.lb. 4.50 - 4.95
Mysore, cns., case lots....lb. 19s 6d
Sardine, crude, tanks, Pac. Cst..gal. .32 Nom.
refd., alkali, dms.....lb. .0720- —
tanks .....lb. .0660- —
kettle-bodied, dms.....lb. .0820- —
light, pressed, dms.....lb. .0660- —
tanks .....lb. .0600- —
Sassafras, artif., cns.....lb. .38 - .39
dms. .....lb. .36 - .37
natural, cns., dms.....lb. .90 - 1.00
Savin, cns.....lb. 1.60 - 1.65
Savory, cns.....lb. 2.00 - 2.25
Sesame, refd., import, dms..lb. .09½- .09¾

EXTRA
HIGH SOLVENCY
EXTRA
Sunoco Spirits cuts solvent costs as much as 20 %
Reported by user's
Write for your free copy of "LET'S TALK FACTS", the booklet which tells how, and why, Sunoco Spirits has enabled paint and varnish manufacturers to cut solvent costs without cutting quality.
SUN OIL COMPANY
Dept. S-6, Philadelphia, Pa.
SUNOCO SPIRITS
SUN OILS
PETROLEUM PRODUCTS FOR ALL INDUSTRIES

Oil, Shingle Stain—Pet.

Oil, shingle stain, bbls., c.l., wks., gal.	.19	-	—
l.c.l., works	.21	-	—
tanks, works	.14	-	—
Snakeroot, Canada, cns.	9.50	-	10.00
Soybean, dom., crude, dms.	.0610	-	.0650
tanks	.0550	-	—
refd., dms.	.0730	-	.0770
tanks	.0670	-	—
Spearmint, USP, cns.	1.70	-	1.75
Spruce, cns., dms.	.65	-	.70
46°, dms.	.0830	-	.0860
natural, dms.	.0780	-	.0800
Spruce, cns., dms.	.70	-	.90
Sweet, birch, North, cns.	2.25	-	2.65
South, cns.	1.55	-	1.60
Tall, crude, dms., c.l., works, ton.	45.00	-	—
l.c.l., works	ton.50.00	-	65.00
tanks, works	ton.35.00	-	—
refined, dms., c.l., works	.05½	-	—
l.c.l., works	.06	-	—
tanks, works	.05	-	—
Tallow, acidless, bbls.	.05½	-	—
tanks	.05	-	—
Tansy, cns.	8.00		Nom.
Tar, coml. dms., c.l., dlvd., E. cities	.25	-	.30
E. ports	.25	-	—
l.c.l.	.26	-	—
tanks, dlvd. E. cities	.20	-	—
Tar, rectfd., USP, bbls., dlvd., E. ports	.35	-	—
Tar acid (see T).			
Teaseed, crude, dms.	.09½	-	.09¾
refined, dms.	.10¾	-	.11
Tea Tree (see Oil, ti tree).			
Thyme, NF, red, dms.	1.00	-	1.25
white, dms.	1.10	-	1.25
Tung (see Oil, chinawood).			
Ti tree, cns.	2.40	-	2.90
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	4.25	-	5.00
Valerian, bots.	8.00	-	6.25
Vetiver, bots.	3.50	-	15.00
Walnut, crude, dms.	.13	-	.13½
refd., dms.	.14	-	.14½
Whale, refd., natural, dms.	.0770	-	.0790
winter, bleach, dms.	.0610	-	.0630
Wheat germ, pharm., cns., dms., gal.	22.00	-	30.00
feedstuff, cns., dms.	gal.17.50	-	25.00
White, mineral, dms., tech., 50-60 vis., dms.	.40	-	—
65-75 vis., dms.	.42	-	—
80-90 vis., dms.	.43	-	—
USP, 80-90 vis., dms.	.46	-	—
95-100 vis., dms.	.53	-	—
125-135 vis., dms.	.60½	-	—
140-150 vis., dms.	.64	-	—
175-185 vis., dms.	.69½	-	—
200-210 vis., dms.	.70½	-	—
320-330 vis., dms.	.76	-	—
335-345 vis., dms.	.77	-	—
Russian, 80-90 vis., dms., gal.	.46	-	—
165-185 vis., dms.	.64½	-	—
175-185 vis., dms.	.66½	-	—
335-345 vis., dms.	.77	-	—
Wintergreen, natural, North, cns.	4.00	-	5.00
South, cns.	3.05	-	3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	2.05	-	2.15
Wormwood, cns.	3.50	-	3.75
Ylang-ylang, Bourb., bots., cns., lb.	2.50	-	3.00
Manila, bots.	18.00	-	24.00
Olivine, aggregate, c.l., mines, ton.	5.00	-	8.00
Lumps, same basis	ton. 7.00	-	—
Spalls, same basis	ton. 5.00	-	—
ground, 200 mesh, c.l., mines, ton.	15.00	-	—
20 mesh to dust	ton.10.00	-	—
Opium, USP, cns.	11.50	-	12.50
gran., cns.	12.50	-	13.50
powd., cns	12.50	-	13.50
Orange, Lake, Persian, bbls.	.30	-	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	.10½	-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	.11	-	—
Colo., Mont., N.M., Wyo.	.10¾	-	—
Other points	.10¼	-	—
smaller lots, dlvd., Ala., etc.	.11	-	—
Ariz., etc.	.11½	-	—
Colo., Mont., N. M., Wyo.	.11¼	-	—
Other points	.10¾	-	—
French, Tours, casks, ex dock.	.13½	-	—
kgs., ex dock	.14½	-	—
Molybdate, bbls.	.31	-	—
Toner, bbls.	.80	-	—
Orangeflower petals, cs.	.35	-	.37
Orange peel, bitter, bls.	.08	-	.09
sweet, bls.	.12	-	.13
Orris root, Florentine, bgs.	.10	-	.11
fingers, cs.	.85	-	.90
powd., bbls., bxs.	.12	-	.13
Verona, bls.	.09	-	.10
powd., bxs., cs.	.12	-	.13
Orthoanisidin, bbls.	.70	-	—
Orthochloroaniline, dms.	.60	-	.75
Orthochlorophenol, dms.	.32	-	—
Orthocresol, dms., c.l., works.	.16½	-	—
l.c.l., same basis	.17½	-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	.06	-	—
l.c.l., same basis	.07	-	—
100-lb. tins, same basis	.08	-	—
50-lb. tins, same basis	.09	-	—
tanks, same basis	.05½	-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroaniline, dms.	.55	-	—
Orthonitrochlorobenzene, dms.	.15	-	.18
Orthonitroparachlorophenol, cns.	.75	-	—
Orthonitrotoluene, dms.	.08	-	—
Orthotoluene hydrochloride, dms.	.22	-	—
Sulphonate, kgs.	2.00	-	2.05
Orthotoluidin, dms.	.16	-	—
Osage orange extract, cryst., bbls., lb.	.19	-	—
liquid, 42°, bbls.	.08	-	—
51°, bbls.	.09	-	—
Oxyquinolin sulphate, cns., 100-lbs., works	3.50	-	—
bots., cns., 1-50 lbs.	3.65	-	4.00

P

Papain, powd., cs.	1.10	-	1.15
Paprika, Hungarian, extra fancy, bgs.	.31	-	.32
medium, bgs.	.30	-	.31
Portuguese, extra fancy, bgs., lb.	.29	-	.30
fancy, bgs.	.28	-	.29
Spanish, extra fancy, cs.	.39	-	.41
Parachlorophenol, dms.	.45	-	—
Paracymene, refd., dms.	.75	-	1.25
Paradichlorobenzene, dms., c.l.	.11	-	.12
l.c.l.	.12½	-	.15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	.0285	-	—
bbls., c.l., N. Y.	.0285	-	—
124-126 A.m.p., bgs., c.l., Okla., refy.	.0285	-	—
bbls., c.l., N. Y.	.0285	-	—
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	.0285	-	—
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	.03¾	-	—
loose, c.l.	.0355	-	—
125-127 A.m.p., bgs., c.l.	.0390	-	—
loose, c.l.	.0370	-	—
128-130 A.m.p., bgs., or loose, c.l.	.0400	-	—
131-133 A.m.p., bgs., or loose, c.l.	.0435	-	—
133-135 A.m.p., bgs., or loose, cl.	.0465	-	—
135-137 A.m.p., bgs., or loose, c.l.	.0490	-	—
138-140 A.m.p., bgs., or loose, c.l.	.0565	-	—
143-145 A.m.p., bgs., or loose, c.l.	.0660	-	—
151-153 A.m.p., bgs., or loose, c.l.	.0850	-	—

refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .05c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	.02½	-	.03¾
semirfd., solid., 122-124 A.m.p., bgs.	.02¼		Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	.34	-	—
100 to 999 lbs. shipments, same basis	.36	-	—
Paraldehyde, tech., 99⅗, 55 and 100 gal. dms., c.l., works	.10	-	—
l.c.l., works	.11¼	-	—
Paraldehyde, tech., l.c.l., works, lb.	.15	-	—
USP, cs, cbys.	.37	-	.45
Paranitroaniliin, kgs., works	.47	-	—
Paranitrochlorobenzene, kgs.	.15	-	—
Paranitrophenol, kgs.	.35	-	—
Paranitrotoluene, kgs.	.35	-	—
Paraphenylenediamine, bbls.	1.25	-	1.30
Paratoluenesulphonamide, bbls.	.70	-	—
Paratoluidin, bbls.	.56	-	—
Pareira brava root, bls.	.15	-	.18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., lb.	.23	-	.25
less car lot, same basis	.24	-	.26
Passion flower, herb, bls.	.07	-	.09
Patchouli leaves, bls.	.18	-	.20
Pellitory root, bls.	.13	-	.14
Pennyroyal herb, bls.	.07	-	.09
leaves, bls.	.13	-	.14
Pentanes norm., 28-38°, dms., c.l., G.S.	.11½	-	—
l.c.l., G.S.	.16	-	—
tanks, G.S	.06½	-	—
laboratory grade, dms., c.l., G.S.	.14	-	—
l.c.l., G.S	.25	-	—
Pepper, black, Alleppy, bgs.	.07½	-	.07¾
Lampong, bgs.	.06½	-	.06¾
Tellicherry, bgs.	.07½	-	.07¾
Red, chillies, Japan, Hontaka.. lb.	.18	-	.18½
Mombassa, bgs.	.23¼	-	.23¾
White, Java, Muntok, bgs.	.07½	-	.07¾
Saigon, bgs.	.07	-	.07¾
Peppermint leaves, dom., bls.	.23	-	.24
import. bls	.45	-	.46
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	.08	-	—
5 dms., same basis	.08½	-	—
less than 5 dms., same basis, lb.	.08¾	-	—
Zone 2, dms., c.l., works, frt., alld.	.08½	-	—
5 dms., same basis	.09	-	—
Perchlorethylene, Zone 2, less than 5 dms., same basis.	.09¼	-	—
Zone 3, dms., c.l., works, frt. alld.	.09	-	—
5 dms., same basis	.09½	-	—
less than 5 dms., same basis, lb.	.09¾	-	—
Zone 4, dms., c.l., f.o.b., stock points.	.09	-	—
5 dms., same basis	.09½	-	—
less than 5 dms., same basis, lb.	.09¾	-	—

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	.66	-	.68
Petrolatum, amber, dms., c.l.	.02¾	-	—
l.c.l.	.03¾	-	—
amber, extra, dms.	.02¾	-	—
l.c.l.	.04	-	—
veterinary, dms., c.l.	.02½	-	—
white, cream, dms., c.l.	.04½	-	—
l.c.l.	.05¾	-	—
lily, dms., c.l.	.05¼	-	—
l.c.l.	.06¾	-	—
snow, dms., c.l.	.06¼	-	—
l.c.l.	.07¾	-	—
Petroleum, crude, bulk, at wells:—			
California:—			
Alamitos Heights	bbl. .74	-	.86
Athens	bbl. .84	-	1.00
Belridge	bbl. .70	-	1.33

ALERT TO THE NEEDS OF THE FUTURE

A PROGRESSIVE ORGANIZATION KEYS ITS SERVICE TO MEET INDUSTRY'S INCREASING DEMANDS FOR CHEMICALS

TICKETS FOR TOMORROW. Typical of the many modern products which Witco materials help to produce are the Advance Sale World's Fair 1939 Ticket Books. Witco Carbon Black, Blanc Fixe, Barytes and other products were used by Union Ink Company, Inc., in the formulation of the inks with which these books were printed.

• All signs indicate that industry in the future will need chemicals, oils and pigments in constantly increasing quantity and variety. Witco has keyed its service to meet these demands promptly and efficiently — with modern facilities for production and a personnel selected for its ability to understand and anticipate customers' needs. As a customer of Witco you will benefit by the painstaking care this organization takes in the manufacture of products that help to keep your production abreast of the trends.

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BUY DIRECT AND PROFIT DIRECTLY

Petroleum, crude, bulk at the wells, California, Buena Vista Hills..bbl. .70 - 1.86
Canal-Gresely .....bbl. .91 - 1.68
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.22
Domingues .....bbl. .79 - 1.00
East Coyote .....bbl. .76 - .96
Elk Hills .....bbl. .70 - 1.88
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.48
El Segundo.....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.20
Inglewood .....bbl. .79 - 1.27
Kern Front.....bbl. .70 - —
Kern River.....bbl. .70 - —
Kettleman Hills.....bbl. 1.10 - 1.40
La Habra.....bbl. .70 - .90
Lakeview .....bbl. .70 - 1.22
Lost Hills.....bbl. .70 - 1.10
McKittrick .....bbl. .70 - —
Midway-Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt. Poso.....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .92
Olinda Brea.....bbl. .76 - 1.27
Playa del Rey, f.o.b. pipe-line .....bbl. .80 - 1.16
Richfield .....bbl. .76 - 1.09
Rosecrans .....bbl. .84 - 1.04
Round Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .75 - 1.43
Santa Maria.....bbl. .68 - .70
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .88
Whittier .....bbl. .76 - .98
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs .....bbl. 1.97 - —
Petrolia .....bbl. 1.90 - —
Central West:—
Illinois .....bbl. 1.05 - —
Lima .....bbl. .90 - —
Western Michigan.....bbl. .88 - —
Princeton .....bbl. 1.05 - —
East Texas.....bbl. 1.10 - —
Gulf Coast:—
Barber's Hill.....bbl. .79 - 1.16
Batson .....bbl. .74 - 1.04
Dayton .....bbl. .96 - 1.41
Esperson .....bbl. .79 - 1.16
Goose Creek.....bbl. .79 - 1.26
Hull .....bbl. .74 - 1.04
Humble .....bbl. .74 - 1.04
Liberty .....bbl. .79 - 1.16
Markham .....bbl. .90 - 1.29
Orange .....bbl. .79 - 1.16
Pettus .....bbl. 1.29 - —
Pierce Junction.....bbl. .96 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. .79 - 1.22
Saratoga .....bbl. .74 - 1.04
Sour Lake.....bbl. .74 - 1.04
Spindle Top.....bbl. .74 - 1.04
Sugarland .....bbl. .79 - 1.26
West Columbia.....bbl. .79 - 1.26
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.12 - —
Kentucky river.....bbl. 1.20 - —
Western Kentucky (Owensboro)..bbl. 1.10 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .73 - 1.05
Caddo .....bbl. .96 - 1.00
Cameron Meadows.....bbl. .74 - 1.13
Choctaw .....bbl. .74 - 1.20
Cotton Valley.....bbl. .73 - 1.05
Darrow .....bbl. .74 - 1.20
De Soto .....bbl. .73 - 1.05
El Dorado.....bbl. .73 - 1.05
Haynesville .....bbl. .73 - 1.05
Homer .....bbl. .73 - 1.05
Iowa .....bbl. .74 - 1.13
Lockport .....bbl. .74 - 1.13
Miller County.....bbl. .73 - 1.05
Pine Island.....bbl. .73 - 1.05
Rainbow .....bbl. .73 - 1.05
Rodessa .....bbl. .73 - 1.05
Smackover .....bbl. .73 - —
Tepetate .....bbl. 1.05 - —
Urania .....bbl. .89 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. No prices
Tuxpan .....bbl. No prices
Midcontinent:—
North Texas.....bbl. .51 - 1.10
Oklahoma-Kansas ....bbl. .56 - 1.10
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ....bbl. 2.00 - —
Corning .....bbl. 1.02 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.55 - —
Eureka lines.....bbl. 1.59 - —
N. Y. Transit lines, bbls. 2.00 - —
S. W. Penn. lines..bbl. 1.65 - —
lower district in National Transit lines..bbl. 1.88 - 1.93
Rocky Mountain:—
Elk Muddy.....bbl. .98 - —
Canon City-Florence....bbl. .90 - —
Cat Creek.....bbl. 1.10 - —
Dutton Creek.....bbl. .86 - 1.10
Elk Basin.....bbl. .90 - —
Fort Collins-Wellington, bbl. .81 - 1.05
Frannie, light.....bbl. .45 - .52
Grass Creek, light.....bbl. .90 - —
Iles .....bbl. .92 - .96
Lance Creek.....bbl. .77 - —
Lander .....bbl. .51½ - —
Midway .....bbl. .86 - 1.10
Rock Creek.....bbl. 1.00 - —
Salt Creek.....bbl. .90 - 1.10
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.90 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .73 - 1.06
Cleveland-Liberty .....bbl. 1.14 - —
Conroe .....bbl. 1.27 - —
Darst Creek .....bbl. .96 - —
Hardin-Liberty .....bbl. 1.00 - 1.03
Luling .....bbl. .87 - —
Lytton Springs.....bbl. .99 - —
Mirando, (incl. Duval). bbl. .74 - 1.22
Panola County.....bbl. .73 - 1.03
Salt Flat .....bbl. .96 - —
Tomball .....bbl. .95 - 1.41
Van .....bbl. .93 - —
West Beaumont.....bbl. .79 - 1.28
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .67 - 1.01
Gray County .....bbl. .72 - 1.06
West Texas:—
Artesia, N. M.....bbl. .61 - .85
Crane .....bbl. .53 - .95
Crockett .....bbl. .53 - .95
Ector .....bbl. .53 - .95
Eddy (N. M.) .....bbl. .77 - —
Howard .....bbl. .53 - .95
Jackson, N. M. .....bbl. .61 - .85
Lea, N. M. .....bbl. .53 - .95
Maljamar, N. M. .....bbl. .61 - .85
Mitchell .....bbl. .63 - .95
Pecos .....bbl. .65 - .87
Upton .....bbl. .53 - .95
Winkler .....bbl. .53 - .95
Ether, 30-60° dms., c.l., G. S. gal. .14 - —
l.c.l., G.S.....gal. .25 - —
tanks, G.S.....gal. .13 - —
35-60°, dms., l.c.l., G.S....gal. .30 - —
40-75°, dms., c.l., G.S....gal. .14 - —
l.c.l., G.S.....gal. .25 - —
tanks, G.S.....gal. .13 - —

Petroleum, ether, laboratory grade, dms., c.l., G. S..gal. .14 - —
c.l., G.S.....gal. .25 - —
10-gal. lots, G.S.....gal. .50 - —
Lacquer, diluent, at refinery:—
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco...gal. .11½ - —
f.o.b. Richmond....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .09 - —
Group 3, tanks.....gal. .07⅝- .07½
Naphtha, cleaners', at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- .06½
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c. tax..gal. .186 - —
Des Moines, inc. 4c. tax.gal. .184 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .198 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .10 - —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .10 - —
milk cans..gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.....gal. .15 - —
3, over 90% arom., same basis..gal. .16 - —
8, tanks, f.o.b. Paulsboro, N. J...gal. .14 - —
30, same basis.....gal. .15 - —
40, same basis.....gal. .14½- —
v.m.&p., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge,Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd., Los Angeles. gal. .10 - —
San Francisco.....gal. .10½- —
Portland, Seattle....gal. .11 - —
East Coast, tanks....gal. .09 - —
Group 3, tanks.....gal. .06⅝- .06½
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc., 4c. tax..gal. .186 - —
Des Moines, inc. 4c. tax.gal. .184 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .198 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11 - —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .15.3- —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09 - —
Group 3 light, 120 l.b.p., 250 e.p., tanks..gal. .06⅝- .06½
standard, 180 l.b.p., 288 e.p., tanks..gal. .06⅝- .06½
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .06½- —
Group 3, tanks.....gal. .05⅝- .06
tankwagon, Boston, ex tax.. gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .181 - —
Des Moines, inc. 4c. tax.gal. .179 - —
Evansville, Ind.,ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .193 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09 - —
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09 - —
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
Tulsa, ex tax.....gal. .10 - .11
Thinners, at refinery:—
California, 34, 325 l.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles..gal. .15 - —
Portland, Ore.....gal. .16 - —
Richmond .....gal. .14½- —
Seattle, Wash....gal. .16½- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo, gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .06½- —
47-49, tanks.....gal. .09½- .10
New Jersey, tanks.....gal. .05½- —
Group 3, tanks.....gal. .06⅝- .06½
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .13½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .13 - —
Bound Brook, North Amboy, N. J..gal. .11½- .13½
Bridgeport, Conn.....gal. .11 - —
Buffalo .....gal. .15 - —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .176 - —
Des Moines.....gal. .174 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee .....gal. .188 - —
Minneapolis-St. Paul...gal. .19 - —
Newark .....gal. .09 - —
New York (200 gals.)..gal. .09 - —
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10 - .12
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .11½- —
Rochester .....gal. .12 - —
St. Louis.....gal. .142 - —
Syracuse .....gal. .12½- —
Trenton .....gal. .10 - —
Wilmington, Del.....gal. .10 - .12
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16½
under 1,000 lbs.....lb. .16½- .17½
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —

Phenylacetaldehyde, bots.....lb. 2.10 - 3.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works..lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines..... long ton. 2.40 - —
75% basis, 74% min., bulk mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., tons.....lb. .35 - —
single bbls.....lb. .40 - —
kgs. .....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .35 - .36
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.00 - 3.00
Pimento, bgs.....lb. .14¾- .15¼
Pinkroot, bls.....lb. .33 - .34
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Pitch, linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, southern, bls...lb. .14 - .16
western, bls.....lb. .10¼- .11
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .25 - .28
Poppy flowers, red, bls.....lb. 1.05 - 1.10
Seed, Dutch, bgs.....lb. .06½- .06½
Polish, bgs.....lb. .07⅞- .08½
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs. .....lb. .13 - —
Bicarbonate, USP, cryst., bbls., 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs. .....lb. .17 - —
Bichromate, spot, c.l., works.lb. .08⅝- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb. .0287½- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¾- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .32½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. .50 - .55
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -15.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —
Guaiacolsulphonate, fib., dms. 100 lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns.. 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots. or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.i.f., ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports.....unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs. .....lb. .11 - .12½
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls. .....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09 - .10½
Permanganate, tech., dms....lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .14 - .15
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —

Petroleum—Red, Alizarin

Potash, sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton. 38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l. .....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton. 23.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .10 - .15
Berries, bgs. .....lb. No stocks
Prince's pine herb, bls.....lb. .16 - .17
Propane, tanks, G.S.....gal. .08 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .02 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½ bbls., less than 3, works..lb. .04½- —
3 or over, works...lb. .04 - —
Ital-grd., bgs., c.l., shipt. ex dock, N.Y..ton. 32.00 Nom.
l.c.l., 5-20 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs.....lb. .09 - .10
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 4.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.85 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., E. of Rockies, standard brand..gal. 6.25 - 6.35
basis (30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.30 - 9.55
Pyrethrum, flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .29 - .29½
fine powd. Japan, bbls., ton lots frt. alld..lb. .30 - .31
Pyridin, denaturing, dms. ..gal. 1.62 - —
refd., 2°, dms. .....gal. .80 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst, works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.40 - —
Pyrophyllite, standard, 200 mesh, c.l. mines..ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l. mines. ton. 7.50 - —
325 mesh, same basis.....ton. 10.50 - —
Pyroxlin, scrap, amber, ca., works..lb. .12 - —
black, cs., works..... .lb. .10 - —
China white, ivory, ca., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, ca., works.....lb. .08 - —
mixed, mottles, opaque, ca., works..lb. .04 - —
shell-demi, cs., works.....lb. .12 - —
translucent pastels, ca., works..lb. .10 - —
shell-demi, transparent, cs., works..lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, ca., works..lb. .16 - —
colors, mixed, ca., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .03⅜- —
tanks, works.....lb. .02⅜- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., .cl., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .08 - .09
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08½
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks, (76 lbs. net, dlvd., N. Y.—flasks 88.00 -90.00
European, flasks, (76 lbs. net) in bond..flask. 81.00 Nom.
Quince seed, bgs.....lb. .70 1.10
Quinidine, cryst., small, cns...oz. .90 - —
large, cns.....oz. .98 - —
powd., precip., cns.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .90 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 - —
Hydrochlorosulphate, cns....oz. .75 - —
Hydriodide, cns.....oz. .90 - —
Hypophosphite, cns. .....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, USP, X, cns.....oz. .54 - —
USP, XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride, cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .0535- .0695
Dutch, black, bgs.....lb. .0660- .0680
red, bgs.....lb. .07 - .07½
Japanese, bgs.....lb. .0654- .06
Raspberries, dried, bls.....lb. .28 - .30
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Red, Cadmium—Soda Sulphide

Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .96 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, #2 1-lb. cns., 500 lbs., lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
50%-55%, bbls., same basis lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same oasis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .62 - —
open order.....lb. .67 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls. .....lb. .15 - .20
lithol-rubine toner, bbls., same basis alizarin lake lb. 1.25
Maroon lake, 25%, kgs., same basis alizarin lake conracts. lb. .40 - —
Oxide (see Red, purple oxide)
Mercury oxide, tech., dom., bbls. lb. 1.50 - —
Metallic, bbls., Pa., works...lb. .08 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works.lb. .08½- —
l.c.l., works .....lb. .09½- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order .....lb. .80 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04⅝
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.00 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N. Y..lb. .03¾- .0390
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake.....lb. .15 - —
quicksilver, bbls., 500 lbs.lb. 1.57 - 1.58
smaller lots .....lb. 1.61 - 1.69
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., flb. dms., 50 lbs. or more..lb. 1.81 - —
Red saunders wood, ground, bbls., lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots. .....lb. 5.55 -10.90
Rhubarb root, cs.....lb. .48 - .49
powd., bbls., kgs.....lb. .52 - .53
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .18¾- —
smaller lots.....lb. .19¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .17¾- —
smaller lots.....lb. .18¼- —
Rose flowers, pale, bls.....lb. .40 - .42
red, bls. .....lb. 2.20 - 2.25
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .05½
Rosin, gum, B, bbls., ex dock. 280 lbs. 4.35 - —
D, bbls.....280 lbs. 4.85 - —
E, bbls.....280 lbs. 5.10 - —
F, bbls.....280 lbs. 5.40 - —
G, bbls.....280 lbs. 6.05 - —
H, bbls.....280 lbs. 6.20 - —
I, bbls.....280 lbs. 6.20 - —
K, bbls.....280 lbs. 6.25 - —
M, bbls.....280 lbs. 6.30 - —
N, bbls.....280 lbs. 6.55 - —
W. G., bbls.....280 lbs. 7.10 - —
W. W., bbls.....280 lbs. 7.65 - —
X, bbls.....280 lbs. 7.65 - —
Rosin, wood, bbls.....280 lbs. 4.00 - 5.45
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
import, lump, bbls.....lb. .14 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .19 - .19
Saccharin, dms., 100 lbs.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls. .....lb. .22 - .23
Saffron, Mexican, bls.....lb. .25 - 26
Spanish, tins.....lb. 32.00 -33.00
Safrol, cns. .....lb. .52 - .53
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless....lb. .05¾- .06
garden, bls. .....lb. .06¾- .06½
Sago flour, bgs.....lb. .02½- .03¼
Salicin, botz., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., flb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs. .....lb. 1.00 - —
Salt, rock, bgs., divd., N. Y..ton.13.20 -13.80
l.c.l., bgs., divd., N.Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., divd., N.Y..ton.14.00 - —
l.c.l., divd., N. Y.....ton.15.00 -19.70
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works .....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons .....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons.100 lbs. 6.50 - —
1-9 tons .....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....kilo.40.00 -42.00
resale, cns.....lb.19.00 -21.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots, 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .36 - .37
Mexican, bls.....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .12 - .13
select, bls. .....lb. .18 - .20
Savory, bbls. .....lb. .07½- .07¾
Saw palmetto berries, bgs.....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bxs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots.....lb. .15¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .15¼- —
smaller lots.....lb. .15¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, bls.....lb. .68 - .70
Senna leaves, Alexandria, bls..lb. .10 - .14
siftings, bls. .....lb. .09 - .09½
Tinnevelly, No. 1, bls.....lb. .11 - .12
2 bls. .....lb. .08½- .09
3 bls. .....lb. .05 - .05½
powd., bbls., bxs.....lb. .09 - .10
Pods, bls. .....lb. .05½- .06
Serpentaria root, bls. .....lb. .68 - .70
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .18 - .19
dlvd. Boston .....lb. .18½- .19½
Chicago .....lb. .18¾- .19¾
Pacific Coast.....lb. .21 - .22
bonedry, refd., bbls., f.o.b., N.Y..lb. .25 - —
dlvd. Boston .....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast .....lb. .28 - —
Garnet, bgs.....lb. .12½- .18
Orange, D.C., VSO., Diamond I, cases..lb. .19 - .20
Superfine, bgs., f.o.b. Bost., N. Y..lb. .10½- .11
dlvd., Chicago .....lb. .11 - .11⅛
Pacific Coast.....lb. .13½- .14
T.N., bgs., f.o.b. Bost., N.Y. lb. .10 - .10⅛
dlvd. Chicago.....lb. .10½- .11
Pacific Coast.....lb. .13 - .13½
Shellac varnish, orange, 5-lb. cut., bbls..gal. .90 - .95
4½-lb. cut, bbls.....gal. .85 - .90
4-lb. cut, bbls.....gal. .80 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works, ton.17.00 - —
l.c.l., 2½ tons, works, ton19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, work.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
90%, 325 mesh bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42¾- —
Govt. purchase.....oz. .6464- —
Cyanide, cns., 1,000 ozs.....oz. .39¼- —
500-999 ozs.....oz. .39¾- —
80-499 ozs.....oz. .39¾- —
16-79 ozs.....oz. .42¼- —
Nitrate, vls.....oz. .31½- .33⅛
Nucleinate, bots., cns., 490 oz., lots..oz. .30 - .31
Proteinate, bots., cns., 480 oz., lots..oz. .29 - .30
Simarubra bark, bls.....lb. .26 - .28
Skatol, bots. .....lb.75.00 -80.00
Skullcap, Eastern, bls.... ....lb. .16 - .17
Western, bls. .....lb. .14 - .17
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works .....ton.10.00 -15.00
Sloe berries, bgs.....lb. .10 - .11
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cts. .....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls. .....lb. .10½- .12
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .13 - .14
powd., bbls. .....lb. .15 - .16
Soda, acetate, anhyd., dms., dlvd. lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd. .....lb. .06¾- —
Alginate, dms., bbls., works..lb. .71 - .95
Antimoniate, bbls. .....lb. .11½- .12
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11⅝
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
58%, l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.80 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l. .....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.03 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
.....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs., or more, lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs, or less.....lb. .51 - .52
Bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., divd. N. Y....100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., divd. N Y..100 lbs. 2.76 - —
tech., bbls., c.l., wks..... 100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
Bichromate, spot, c.l., works.. lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphite, powd., bbls., c.l., bbls., wks..100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 degs., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate bots., 5 lbs.....lb. 5.81 - —
jars 25 lbs. .....lb. 5.50 - —
Carbonate (see Soda ash, soda memohydrated, soda sal)
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l. same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms.. c.l., works. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon process.

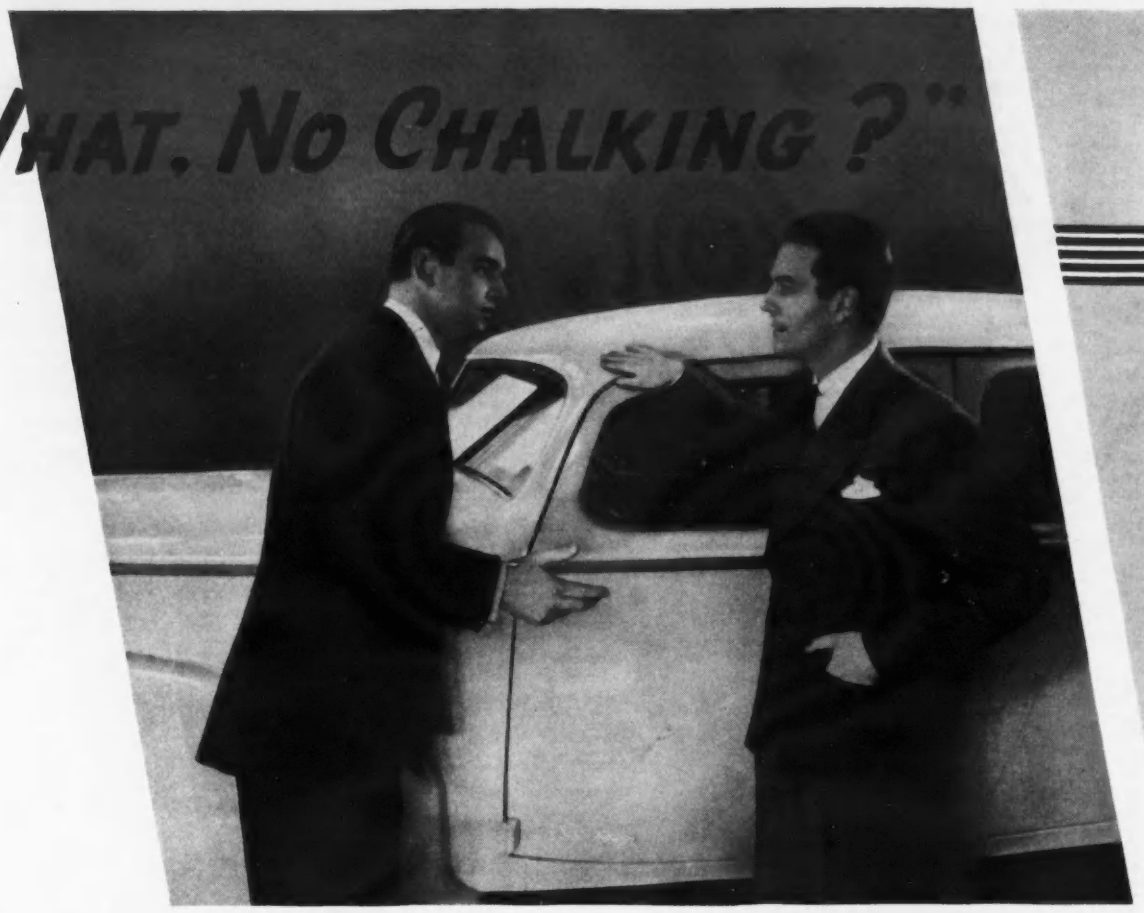
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
chromate, spot, c.l. works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅜- —
smaller quantities.....lb. .08⅝- —
Citrate, U.S.P., VIII, gran. bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lbs. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾- .13¾
Cyanide, gold, 46% gold, bots., works..oz.15.85 -17.10
Diacetate, 35-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —

Soda, fluoride, white, 90%, bbls., l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .07 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd. 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea bgs., c.l., works..100 lbs. 2.60 - —
works..100 lbs. 2.50 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks.. 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks., 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.16 - —
bots .....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
flb. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks..100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100 -lb. bgs., April-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., wks, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .06 - —
l.c.l. .....lb. .08¼- .11¼

Soda nitrite l.c.l price range represents delivery at various points.

Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .16¼- —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 4.53 - —
l.c.l., works.....100 lbs. 5.51 - —
bbls. c.l. works...100 lbs. 4.73 - —
l.c.l., works .....100 lbs. 5.71 - —
cryst., tech., bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works..100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.10 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .09¼- —
contracts .....lb. .09 - —
smaller lots.....lb. .09¾- —
contracts .....lb. .09¼- —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., divd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., divd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs. .....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, divd. N.Y.C. 100 lbs. 3.65 - —
6-19 dms .....100 lbs. 4.10 - —
1-4 dms. .....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .90 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .04½- .04¾
import, bbls. .....lb. .03½- .04
Stannate, dms.....lb. .32 - .35
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.. 100 lbs. 3.00 - —



"CORRECT, TITANOX-AA WAS USED"

CHALKING resistance, such as never before attained in exterior enamels and other exterior coatings by a pigment of equal hiding and covering power, is the primary contribution of the new TITANOX-AA (titanium dioxide). Now it is possible to produce this desired quality without sacrifice of opacity, brightness and stability. Now it is possible to eliminate expensive, low tinting pigments and still obtain high chalking resistance.

TITANOX-AA permits the production of coatings of greater hiding and gloss with less pigment. Used alone in some enamel vehicles, it shows chalking resistance superior to lower-hiding mixtures that heretofore have been widely used. TITANOX-AA contains but one per cent of antimony calculated as oxide. It has all the fine qualities of the standard TITANOX-A.

Chalking Resistance in House Paints

The new TITANOX-A-NC is recommended where strength and color are not of utmost importance. It has even greater chalking resistance than has TITANOX-AA and is likely to take an important place in certain house paint formulations.

●

We invite paint chemists to experiment with this improved pigment. Samples are available. We also offer cooperation in technical problems.

TITANIUM PIGMENT CORPORATION

Sole Sales Agent for

TITANOX-A (Titanium Dioxide)—TITANOX-B-30 (Titanium Barium Pigment)—TITANOX-C (Titanium Calcium Pigment) TITANOX-L (Lead Titanate)—TITANOX-M (Titanium Magnesium Pigment)

●

111 Broadway, New York, N. Y.; Carondelet Station, St. Louis, Missouri; National Lead Co. (Pacific Coast Branch), 2240 24th St., San Francisco, California

TITANOX — THE NEW WHEEL HORSE OF THE PAINT INDUSTRY — REG. U.S. PAT. OFF.

TITANOX

TRADE MARK

Soda Sulphide—Witherite

Soda sulphide, solid, bbls., l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
l-c .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns.....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs.....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .28 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½ - —
l.c.l. .....lb. .16 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .17½ - .18
Spikenard root, bls.....lb. .11 - .12
Spruce extract, reg., bbls., c.l., works..lb. .01¾ - —
tanks, works.....lb. .01¼ - —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01¾ - —
tanks, works.....lb. .01¾ - —
Squawvine leaves, bls.....lb. .11 - .12
Squill, red, bls.....lb. .14 - .15
white, bls.....lb. .06½ - .07
powd. bbls., bxs.....lb. .13 - —
St. Ignatius beans, bgs.....lb. .40 - .42
St. John's bread, edible, bls., lb. .07 - .07½
inedible, bls. .....lb. .05 - .06
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.55 - 2.85
dlvd., N. Y. .....100 lbs. 2.90 - 3.10
powd., bgs., f.o.b. Chicago, 100 lbs. 2.65 - 2.95
dlvd., N. Y. .....100 lbs. 3.00 - 3.20
Potato, dom., bgs.....lb. .04 - .05
import, bgs. .....lb. .05 - .06
Rice, bbls .....lb. .06½ - .07¼
Wheat, thick boil, bgs.....lb. .05 Nom.
Staveacre seed, bgs.....lb. .15 - .16
Stearin, oleo, bbls.....lb. .05¾ - .06
Stillingia root, bls.....lb. .07½ - .08
Stoneroot, bls.....lb. .07½ - .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .13 - .14
Seed, bgs. .....lb. .09 - .10
Strontium bromide, 5lb, dms...lb. .57 - .66
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100 po., precip., bbls., lb. .16½ - .17½
Chloride, bbls.....lb. .11 - .12½
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls. and c.l., works, lb. .07¾ - —
25 bbls. and over.....lb. .08¼ - —
1-24 bbls. and over.....lb. .08¾ - —
Strophanthus seed, Kombe, bgs.lb. 1.05 - 1.10
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .66 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .68 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .66 - —
Glycerophosphate, 25 - oz. cns., 100-oz. lots..oz. .67 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .66 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .77 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .32 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb., bots....lb. 1.40 - —
db., dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs. .....lb. 1.05 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, f.o.b. cars, mines, contracts....long-ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
ex vessels, Atlantic seaboard, contract..long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia parts, bulk, contract.. long ton.22.00 - —
flowers, bgs., c.l., works, 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works..100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., wks..100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works, 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works.100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99½%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.25 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Sulphur, chloride, 55-gal. dms., c.l..lb. .08 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .09 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04¼ - .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½ - .10
Iodide, bots., jars.....lb. 2.90 - —
Precip., USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, bls....ton.67.00 - —
leaf, bales.....ton.70.00 - —
Extract, 42°, bbls.....lb. .05¼ - —
51°, bbls.....lb. .06½ - —
stainless, bbls.....lb. .06½ - .03½
Sunflower seed, Calif., large, bgs., lb. .06 - .06¼
medium, bgs. .....lb. .05 - .05½
poultry, bgs.....lb. .03¾ - .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 5.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs , c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills....ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.80.00 -82.00
Tallow, animal, edible, bbls..lb. .05½ Nom.
extra, loose.....lb. .05¾ - —
special, loose.....lb. .05¼ - —
vegetable, ship, cs.....lb. .06½ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾ - —
l.c.l. .....lb. .04½ - —
50% (43% fat), dms., c.l., lb. .05¾ - —
l.c.l. .....lb. .06¾ - —
50% (48% fat), dms., c.l..lb. .05¾ - —
l.c.l. .....lb. .06¾ - —
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 3.15 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.50 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.25 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, May shipt. unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .17 - .18
Tapioca flour, bgs.....lb. .02¼ - .04
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .25 - .26
ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .30 - .31
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½ - —
tech. (see Perchloroethylene).
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 98% pure, bots., wks..lb. 5.00 - 7.00
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .11 - .11½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs. .....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone. bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd....lb. .45½ - .46
Crystals, bbls., kg.....lb. .38 - .38½
Metal, Straits.....lb. .48¾ - —
Oxide, bbls. .....lb. .50 - .52
Tetrachloride, anhyd., bbls..lb. .25 - —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, E. frt. pd. lb. .14½ - —
Pac. Cst., ex whse..lb. .14¼ - —
1,000-9,999 lbs., E. frt. pd..lb. .14½ - —
Pac. Cst., ex whse..lb. .14½ - —
50-999 lbs., E. frt. pd. lb. .14¾ - —
Pac. Cst., ex whse..lb. .14¾ - —
under 50 lbs., E. frt. pd. lb. .17 - —
Pac. Cst., ex whse..lb. .17 - —
bbls., c.l. (20 tons), frt. pd. lb. .14¼ - —
l.c.l., 5 tons, E. frt. pd. lb. .14½ - —
Pac. Cst., ex whse....lb. .14½ - —
1,000-9,999 lbs., E. frt. pd. lb. .14¾ - —
Pac. Cst., ex whse....lb. .14¾ - —
50-999 lbs., E. frt. pd...lb. .15 - —
Pac. Cst., ex whse....lb. .15 - —
Titanium, dioxide, chalk-resistant, bgs., c.l., (20 tons), frt. pd..lb. .15 - .17
l.c.l., 5 tons, frt. pd....lb. .15½ - .17¼
1,000-9,999 lbs., frt. pd..lb. .15½ - .17½
5-999 lbs., frt. pd.....lb. .15¾ - .17¾
Under 50 lbs., frt. pd..lb. .18 - .20
Phthalate-treated, bgs., c.l., (20 tons), frt. pd..lb. .22 - —
l.c.l., 5 tons, E. frt. pd. lb. .22¼ - —
Pac. cst., ex whse..lb. .22¼ - —
1,000-9,999 lbs., E. frt. pd..lb. .22½ - —
Pac. cst., ex whse..lb. .22½ - —
50-999 lbs., E. frt. pd..lb. .22¾ - —
Pac. cst., ex whse..lb. .22¾ - —
under 50 lbs., frt. pd. lb. .25 - —
bbls., c.l. (20 tons), frt. pd..lb. .22¼ - —
l.c.l., 5 tons, E. frt. pd..lb. .22½ - —
Pac. Cst., ex whse..lb. .22½ - —
1,000-9,999 lbs., E. frt. pd..lb. .22¾ - —
Pac. Cst., ex whse..lb. .22¾ - —
50-999 lbs., E. frt. pd.. lb. .23 - —
Pac. Cst., ex whse..lb. .23 - —
Pigment, barium, calcium, or magnesium base, c.l., D. frt. alld..lb. .05¾ - —
l.c.l., dlvd.....lb. .05¾ - —
Pac. cst., ex whse..lb. .05¾ - —
under 50 lbs., E. dlvd.lb. .06¾ - —
bbls., c.l., D., frt. alld..lb. .05¾ - —
l.c.l., E., dlvd.....lb. .06¼ - —
Pac. Cst., ex whse..lb. .06¼ - —
Toludin base, distilled, kgs....lb. .86 -
Tolu, balsam, cns.....lb. .45 - .46
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½ - —
tanks, E. of Omaha, frt. alld. gal. .23½ - —
Tonga vine, NF, bls.....lb. .26 - .28
root, bls.....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.35 - 2.40
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .70 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .49
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
5 dms., same basis.....lb. .08½ - —
less than 5 dms., same basis. lb. .08¾ - —
Zone 2, dms., c.l., works, frt. alld..lb. .08½ - —
5 dms., same basis.....lb. .09 - —
less than 5 dms., same basis. lb. .09¼ - —
Zone 3, dms., c.l., works, frt. all..lb. .09 - —
5 dms., same basis.....lb. .09½ - —
less than 5 dms., same basis. lb. .09¾ - —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
5 dms., same basis.....lb. .09½ - —
less than 5 dms., same basis. lb. .09¾ - —

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns. dlvd..lb. .40½ - .51½
dms., c.l., dlvd.....lb. .34½ - —
500 lbs., dlvd.....lb. .37½ - —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22¼ - —
less than 500 lbs.....lb. .25½ - .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .33 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.10 - 2.20
Oxide, CP, kgs.....lb. 2.40 - 2.60
Chem. grade, kgs.....lb. 1.75 - 1.85
Turmeric root, Alleppey, bgs...lb. .06¼ - .06½
Madras, bgs.....lb. .06¾ - .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .29¾ - —
l.c.l., 10 ex dock.....gal. .31¾ - —
5, ex dock.....gal. .33¾ - —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .22 - .24
tanks, dlvd. E. cities....gal. .19 - —
steam-dist., dms., c.l., dlvd..gal. .25 - —
l.c.l., dlvd.....gal. .28 - —
tanks, dlvd.....gal. .20 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs. .....lb. .14½ - .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. No prices.
Uva ursi leaves, bls.....lb. .08 - .09

V

Valerian root, bls.....lb. .09½ - .10
Valonia, beards, bgs., shipt...ton.47.00 - —
Cups, bgs., shipt.....ton.30.00 - —
extract, powdered, 63%.....lb. .00 - —
Vanilla beans, Bourbon, tins..lb. 5.50 - 6.00
Mexican, tins .....lb. 5.50 - 6.00
cuts, tins .....lb. 5.25 - 5.50
South American, tins.....lb. 5.25 Nom.
Vanillin, ex eugenol, 25-lb. tins, lb. 2.20 - —
5-lb. tins.....lb. 2.25 - —
1-lb. tins.....lb. 2.35 - —
ex guaiacol, 25-lb. tins.....lb. 2.10 - —
5-lb. tins.....lb. 2.15 - —
1-lb. tins.....lb. 2.25 - —
ex lignin, 25-lb. tins.....lb. 2.10 - —
5-lb. tins.....lb. 2.15 - —
1-lb. tins.....lb. 2.25 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .32
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs., gross works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .33 - .39
tree .....lb. .19 - .22
Wattle bark, bgs., shipt.....ton.34.50 -38.00
Extract, solid, bags.....lb. .04 - —
Wax, bayberry, import, bgs...lb. .22½ - .23
Bees, white, bleach, slabs, cs., 500 lb. lots..lb. .37 - .39
yellow, crude, Africa, bgs., lots of 10.....lb. .19½ - .20
1 bg.....lb. .20 - .20½
Brazil, bgs., 5-10 ton lots. lb. 22½ - .23
1 ton.....lb. .23 - .23½
500 lbs.....lb. .23½ - .24
100 lbs.....lb. .24 - .24½
refd., slabs, cs., lbs....lb. .25½ - .26
Candelilla, bgs., 1 ton.....lb. .15¼ - .15¾
jobbing lots.....lb. .15¾ - .16¼
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .28½ - .29
5 bags.....lb. .29 - .29½
1 bg.....lb. .29½ - .30
N. C. 2, bgs.....lb. .35¾ - .36
N. C. 3, bgs., 1 ton.....lb. .29½ - .30
5 bgs.....lb. .30 - .30½
1 bg.....lb. .30½ - .31
refined, bgs.....lb. .34½ - .35
yellow, No. 1, bgs., 1 ton..lb. .39 - .39½
5 bgs.....lb. .39½ - .40
1 bg.....lb. .40 - .40½
No. 2, bgs.....lb. .38 - .38½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½ - —
jobbing lots .....lb. .09½ - —
150°-160° m.p., bgs., 1 ton.lb. .09½ - —
jobbing lots .....lb. .10½ - —
160° m.p., bgs., 1 ton.....lb. .10½ - —
jobbing lots .....lb. .11½ - —
Japan, cs. .....lb. .11 - .11½
Montan, bgs., c.l.....lb. .11 - —
5 tons .....lb. .11¼ - .11½
less than 1 ton.....lb. .11½ - .11¾
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-73° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .18 - .21
cakes, cs. .....lb. .19 - .22
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.89 - —
dms., 50 lbs., or more...lb. 1.76 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l. works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60- 17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works .....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.00 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c., works. ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural. bls..lb. .04½ - .05
rossed, bls.....lb. .07½ - .09
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild Indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).

Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .08 - .10
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b Minnequa, Colo..gal. .26 - —
nitration, dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.56
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls. 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½ -
open order .....lb. .15½ -
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.67 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06½ -
B, bbls., works.....lb. .04½ -
C, bbls., works.....lb .03½ -
Yellow, orcher, Amer., yellow, A, bbls., works..lb. .02¾ -
B, bbls., works.....lb. .02½ -
C, bbls., works.....lb. .02 -
D, bbls., works.....lb. .0195 -
E, bbls., works.....lb. .01775 -
F, bbls., works.....lb. .01½ -
G, bbls., works.....lb. .01¼ -
H, bbls., works.....lb. .01⅛ -
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02475 -
New York (f.o.b.)..lb. .03¼ -
ex dock Philadelphia, for import..lb. .02¾ -
Portland, Seattle ..lb. .03 -
San Pedro, S. Francisco..lb. .0290 -
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 -
New York .....lb. .02½ -
ex-dock Phila., for import..lb. .02¾ -
Portland, Seattle...lb. .03½ -
San Pedro, S. Francisco..lb. .03 -
ex whse., Balto., Boston, N. Orleans..lb. .02725 -
l.c.l., Chicago, E. St. Louis, Indianapolis, K. City, Milwauk., St. Louis..lb. .03¾ -
New York.....lb. .02¾ -
Pittsburgh .....lb. .03¼ -
Portland, Seattle.....lb. .03⅝ -
San Pedro, S. Francisco..lb. .03¼ -
f.o.b. N. Y., from dock, lb. .02¾ -
from whse. .....lb. .02¾ -
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½ -
l.c.l., same basis.....lb. .04¾ -
synth., bbls., c.l., works..lb. .06½ -
l.c.l., same basis.....lb. .04¾ -
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 -
open order .....lb. .19 -
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza) bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .07½ - .08
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 -
l.c.l., bags .....lb. .12½ -
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 56 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04½ -
tanks .....lb. .0226 -
Cyanide, kgs., works.....lb. .33 - —
Zinc dust, bbls., c.l., dlvd....lb. .06½ - —
l.c.l., bbls., dlvd.....lb. .07 - —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼ - .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½ - .07⅛
ex whse., Pac. cst., lb. .06½ - .07⅛
bbls., c.l., dlvd....lb. .06½ - .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06⅝ - .08
ex whse., Pac. cst lb. .06⅝ - .08
leaded, 5% bgs., c.l., dvld., lb. .06½ -
l.c.l., dlvd., except Pac. cst..lb. .06⅝ -
ex whse.,Pac. cst.lb. .06⅝ -
bbls., c.l., dlvd....lb. .06⅝ -
l.c.l., dlvd., except Pac. cst..lb. .06⅝ -
ex whse., Pac. cst.lb. .06⅝ -
25%, bgs., c.l., dlvd..lb. .06 -
l.c.l., dlvd., except Pac. cst..lb. .06¼ -
ex whse., Pac. cst. lb. .06¼ -
bbls., c.l., dlvd.....lb. .06¼ -
l.c.l., dlvd., except Pac. cst..lb. .06½ -
ex whse., Pac. cst. lb. .06½ -
50%, bgs., c.l., dlvd., except Pac. cst..lb. .0606 -
Pac. cst.....lb. .0612 -
l.c.l., dlvd., except Pac. cst..lb. .0631 -
ex whse., Pac. cst. lb. .0631 -
bbls., c.l., dlvd....lb. .0631 -
l.c.l., dlvd., except Pac. cst..lb. .0656 -
ex whse., Pac. cst.lb. .0656 -
French process, com'l, lead free, bgs., c.l., dlvd.lb. .06¼ - .07½
l.c.l., dlvd., except Pac. cst..lb. .06½ - .07⅝
ex whse., Pac. cst..lb. .06½ - .07⅝
bbls., c.l., dlvd.....lb. .06½ - .07⅝
l.c.l., dlvd., except Pac. cst..lb. .06⅝ - .08
ex whse., Pac. cst.lb. .06⅝ - .08
green seal, bgs., c.l., dlvd..lb. .08 -
l.c.l., dlvd., except Pac. cst..lb. .08¼ -
ex whse., Pac. cst..lb. .08¼ -
bbls., c.l., dlvd.....lb. .08¼ -
l.c.l., dlvd., except Pac. cst..lb. .08½ -
ex whse., Pac. cst.lb. .08½ -
red seal, bgs., c.l., dlvd..lb. .07½ -
l.c.l., dlvd., except Pac. cst..lb. .07⅝ -
ex whse., Pac. cst..lb. .07⅝ -
bbls., c.l., dlvd....lb. .07⅝ -
l.c.l., dlvd., except Pac. cst..lb. .08 -
ex whse., Pac. cst..lb. .08 -
white seal, bgs., c.l., dlvd. lb. .08½ -
l.c.l., dlvd., except Pac. cst..lb. .08⅝ -
ex whse., Pac. cst..lb. .08⅝ -
bbls., c.l.....lb. .08⅝ -
l.c.l., dlvd., except Pac. cst..lb. .09 -
ex whse., Pac. cst..lb. .09 -

Woodflour—Zirconium

Zinc oxide, import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse..lb. .10 -
white seal, cks., ex whse., lb. .11 - .12½
USP, bbls., c.l.....lb. .09½ -
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 -
precip., dms., dlvd.....lb. .15 -
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 -
l.c.l., 1 ton.....lb. .21 -
1,000-2,000 lbs.....lb. .22 -
less than 1,000 lbs...lb. .23 -
U.S.P., bbls.....lb. .21 - .25
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 -
l.c.l. .....100 lbs. 3.50 -
bbls., c.l.....100 lbs. 2.90 -
l.c.l. .....100 lbs. 3.65 -
/ake, bgs., c.l.....100 lbs. 3.10 -
l.c.l. .....100 lbs. 3.85 -
bbls., c.l.....100 lbs. 3.25 -
l.c.l. .....100 lbs. 4.00 -
powd., bgs., c.l.....100 lbs. 4.35 -
l.c.l. .....100 lbs. 5.10 -
bbls., c.l.....100 lbs. 4.50 -
l.c.l. .....100 lbs. 5.25 -
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾ -
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08½ -
bbls., c.l. (20 tons), dlvd..lb. .08½ -
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08¾ -
Sulphocarbolate, NF, bbls....lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 -
l.c.l., works.....100 lbs. 5.50 -
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 -
l.c.l., dlvd., except Pac. cst..lb. .05½ -
ex whse., Pac. cst..lb. .05½ -
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, rgd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the May 1 issue; the next printing will be in the June 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 33.

PERHAPS THIS NEW SYNTHETIC WAX WILL LOWER YOUR PRODUCT COST

Into the highly complex field of commercial waxes comes CERCON, a refined mineral product which is supplied in six colors: Snowdrift, Lemon, Orange, Tangerine, Apricot and Olive.

Having an ASTM penetration of 50 with the 50 gram weight attached, CERCON has a wide scope of commercial uses. In many of these uses it offers the manufacturer or compounder a substantial saving over the material now in use, such as ceresin and ozokerite.

Without attempting to further analyze the application of CERCON to any given product or process, we offer test samples to any interested user of this type of material.

Your inquiry will be promptly acknowledged

The Conewango Refining Co.
WARREN, PENNSYLVANIA

Oil, Paint and Drug Reporter

Founded October 18, 1871, by
William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York. Telephone JOhn 4-2357. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions, and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

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Oil, Paint and Drug Publishing Company, Inc.

Vol. 135 May 15, 1939 Number 20

Business Stupidity

It is unfortunate that the Chamber of Commerce of the United States in many of the resolutions adopted at its recent annual meeting has added much to the already abundant evidence that one reason why things are wrong with business is that many of its leaders do not know where it is, where it should go, or how it can get anywhere. The chamber's resolutions show that, at least one group of leaders, or spokesmen, have forgotten—if they ever learned—all that they might have learned and should have learned in the past decade.

The world stands still for some folk because the speed of its rapid changing has made them too dizzy to realize what is going on about them. All that they appear to know is that something is wrong with everybody and everything else; that they are right; and that the "recovery" of which they prate so vociferously demands that all else be restored to their stubbornly maintained status quo.

This attitude is an invitation of disaster. Things were not right then, and although they may in toto be no more nearly right now, they would not be corrected by a recovery of what was. The objective of farseeing, thinking men is what should be. Those who cannot, or will not recognize what this is should be excluded from all councils on what is to be done to accomplish something worth while.

The patient who is opposed to getting well will never recover. And there is nothing but opposition to recovery in an attitude which refuses to recognize that, not yesterday's apparent healthfulness, but a sound physical condition is indicative of real health.

The action of the chamber of commerce in demanding repeal of the fair labor standards act was the height, or the depth, of economic and political stupidity. The idea that wages and hours are of but local concern points inevitably to chaos through unlimited, unfair sectional competition. There must be a definite floor for wages if competition is to be clean—and certainly there are no Persian rugs in a wage of $11 a week! It is far preferable to pay a little more in wages than to pay the costs of relief. And a few cents' increase in its costs will not put an end to any industry.

Political Stupidity

The business stupidity of the attitude of the Chamber of Commerce of the United States toward the restoration of economic stability, salubrity, and sanity is matched by its political stupidity. The resolution on the wage and hour law alone handed the enemies of business a basketful of bombshells—and there can be no doubt of the use that will be made of these when the next appeal for the workingman's vote is made.

The chamber is not alone in this lack of political perspicacity. The characteristic looms large in Congress—note the complacence with which the so-called "economy bloc" allowed the senate to vote hundreds of millions of dollars of unbudgeted funds for farmers after having staged such a thrilling—was it for the gallery alone?—fight against a lesser appropriation for the continuance of relief for the unemployed!

There is some excuse for this senatorial stupidity—farmer votes count—but it has reduced almost to the vanishing point the opportunity to point with pride to the Congress as something better than a rubber stamp. A few weeks ago a Washington commenter on political events said:—"What is important to business today is that Congress continues to hold the reins." This observer and many others who had arrived at a similar much desired conclusion failed to notice the "back-home driver" or to appreciate his influence. The sled of state has been driven onto a bare spot—and the wolves have a laugh in their howling.

Congress has its back-home drivers; business has its back-seat drivers. Both lack real drivers, in the pilot seats, who know both the road and the destination. There are men in Congress and men in business who have more than a fair knowledge of what it is all about and what to do about it. It is time that these men took the reins in earnest and, guiding their vehicles side by side, each learning from and relying on the other, got off the road from yesterday—it may be necessary to "gee" or "haw" widely—got on the road of today; and headed steadfastly toward the brightness of tomorrow. Tomorrow is bright—so is today—if only those who should see this will but turn around and look at it.

—O-P-D—

Their Interests Are Common

Much fuss is being raised by the Congress of Industrial Organizations over the alleged discovery that the National Association of Manufacturers and the American Federation of Labor have been cooperating in the endeavor to have the Wagner labor relations act amended. It would seem from the ado that it is nothing less than criminal—heinous lese something or other—for employers and employees to join forces for the furtherance of a common cause. It is of such asinine arrogance that labor strife is born.

The labor relations act is faulty—even the National Labor Relations Board admits that some points of proposed revisions merit consideration. Its faultiness is as much the concern of employees as it is that of employers, who have found most reason to complain in this respect. The purpose of the law is a good one and desirable. It falls short of attainment largely because employers took no constructive part in the formulation of the legislation. Any indication that there has been a change of attitude in this respect is in itself commendable. The additional fact that the resulting interest is to be applied cooperatively and coordinatively with that of employees enhances the merit of the undertaking.

The position of employers—the impressive majority of them, at least—toward the labor relations act is that the law should be made equitable to all, including both national organizations of labor. If one of these organizations feels that it has reason to fear that it will be discriminated against in a revision of the law, it should take an active, constructive, and honest part in the work. There is something to be learned from the experience of employers in connection with the enactment of the legislation, and the reason now, as then, is not nearly so much suspicion of a purpose on the part of any participant to be wilfully discriminating as it is that those who are engaged in the protection, if not promotion, of their own interests cannot be expected to give adequate consideration to the interests of others, closely knit as the two may essentially be.

Employers and employees—all groups of both—should take counsel together and work together for the necessary revision of the labor relations act. It is only in this way that the revision can be made an actual emendment.

—O-P-D—

Labeling Delay Unwise

Whether or not the effective date of certain labeling provisions of the food, drug, and cosmetic act is postponed beyond June 25, those who are affected by these provisions should not defer or relax their efforts to comply with them. There will be no excuse for not being fully prepared to meet the requirements when they do become effective.

What is required by the law in respect of labeling was stated when it was enacted last June; the regulations that did not come into being until six months later for the most part did but provide some explanations on how to meet the requirements. In but few instances do they make it more troublesome, in none do they make it more difficult, to comply. In some instances, particularly with respect to section 502 (j), the regulations provide a way out of an almost impossibility. In some of the few instances where the regulations have added a heavier burden, it is doubtful that the increased stringency will stand the test of the courts.

It cannot be denied that compliance with some of the law's labeling provisions is difficult. Nor can it be questioned that revision of certain forms of labeling and changes necessitated in containers would make compliance by June 25 costly, and in most instances unnecessarily from the standpoint of public safety. But, there also can be no doubt that some few of the many affected by the law did not make adequate efforts to bring their labels into compliance—and this was not in all cases to be attributed to inability to understand the requirements.

There is already some evidence that dilatoriness in this respect is continuing. This may or may not be premature—the effective date has not yet been postponed—but it is unwise. For one thing, the six months after June 25 will be a no longer period than the six months preceding that date, and no more is known now about how to comply than could have been known at least four months ago. For another thing, section 201 (n) is not one of those which may be postponed. And good faith may have much to do with the official application of that broad provision.

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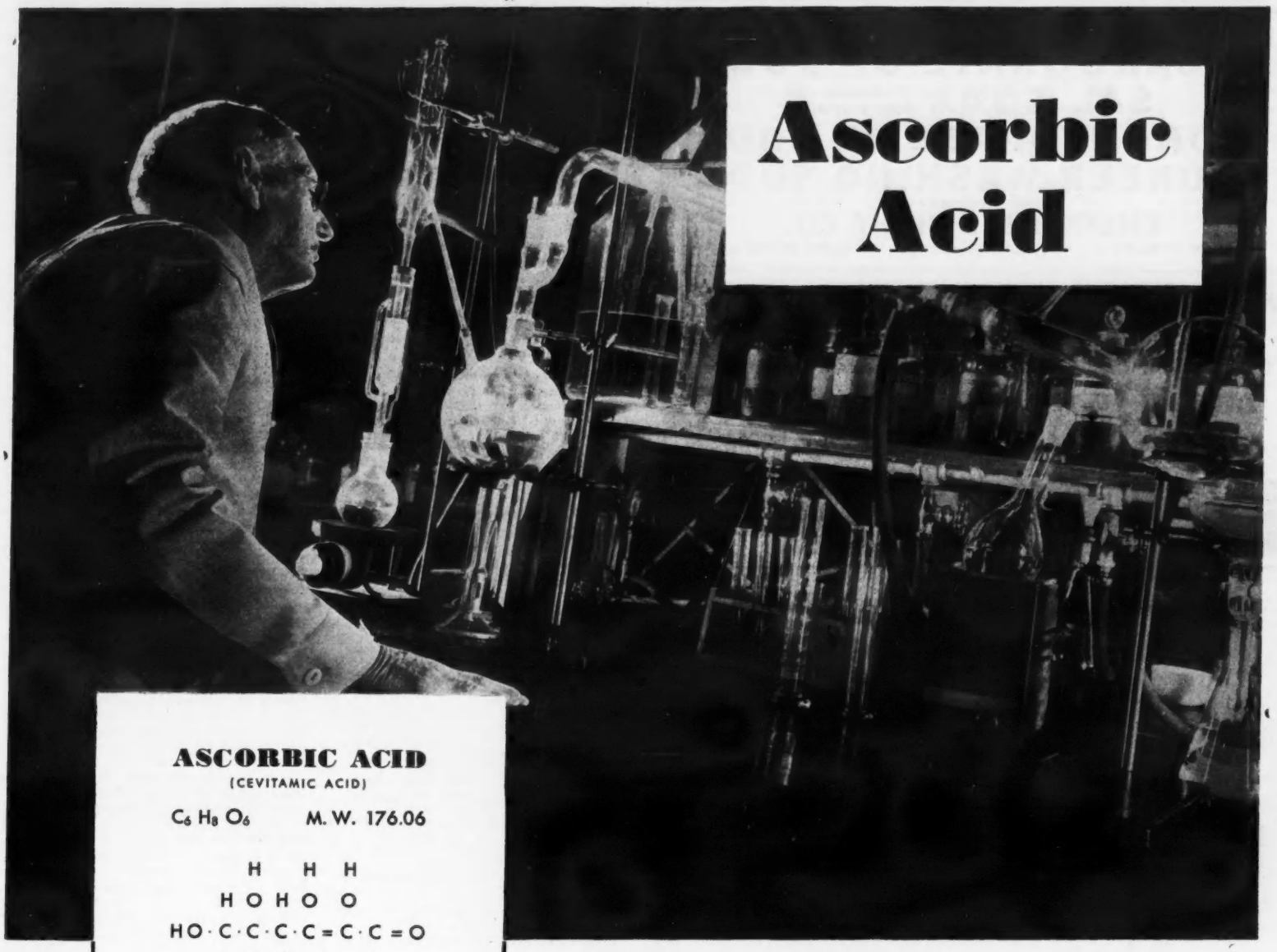

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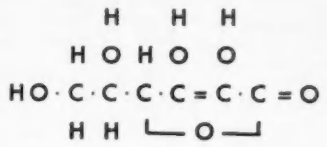

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Heavy Chemicals

Lead Arsenate Sharply Lower and Differential Eliminated—Blue Vitriol Declines Further in Sympathy with Copper—Tin Salts Remain Firm—Antimony Metal Higher

A further reduction in blue vitriol and a sharp revision in lead arsenate provided the price feature to the market for heavy chemicals last week. Other changes revolved around the metals and one of the derivatives. However, the easiness in the former chemicals further depressed the price index. The appearance of warmer weather offered seasonal chemicals a belated opportunity to move in better volume, and shipments and inquiries were reported as improved. The general demand was somewhat affected by the leveling off in industrial demand and the gains in seasonal items were hardly sufficient to give the market an upward trend. Indications were that the soft coal strike would be finally settled soon, removing a major threat to normal industrial operations.

Blue vitriol moved lower closely following the trend in the basic metal. Copper again reached the 10c. per pound level, and this price was adhered to by leading interests with one exception. Demand for blue vitriol was broadening for agricultural purposes in many sections, and the general position of the market continued satisfactory. Copper salts again failed to fluctuate with the metal, sellers basing prices on higher metal prices and waiting for further clarification of the metal price. Antimony metal was higher in sympathy with the higher price in the world market rather than to any new buying. Needle of antimony remained scarce, and the market held firm. Straits tin was about unchanged and only anhydrous tetrachloride of tin advanced.

Lead arsenate featured the insecticide and fungicide division. The reduction in price was brought about by competitive conditions as the active season gets underway. The change eliminated the differential between East and West prices for less car lots, making quotations the same all over the United States. Demand for insecticides displayed some broadening as warmer weather brought out belated buying. Other seasonal chemicals such as anhydrous ammonia, carbon dioxide, and soda chlorate showed some improvement. Water treating chemicals such as alums and chlorine were moving steadily.

Alums.—A steady movement to major consuming channels was reported in most directions last week. The paper trade and call for water treating purposes continued to supply the bulk of the business for alumina sulphate, potash and ammonia alums. No change occurred in the prices. March exports of alumina sulphate amounted to 5,326,051 pounds, valued at $51,124, of which 3,941,401 pounds went to Canada; 249,850 pounds to Cuba; 896,000 pounds to China and 127,200 pounds to the Philippine Islands. Exports of other alum compounds aggregated 202,585 pounds, valued at $10,693, of which Canada took 141,780 pounds.

Ammonia, Anhydrous. — Improved weather conditions brought in more inquiries, and actual shipments started to move against contracts in better volume last week. A steady to firm price tone governed the dealings. March exports totaled 256,251 pounds, valued at $23,563.

Ammonia, Aqua. — Shipments were moving to various consuming channels at a moderate pace, with most consumers content to pursue a cautious purchasing policy. Quotations ruled firm.

Ammoniac, Sal.—There were no new developments of importance in the market. Consumers continue to make only necessary withdrawals of the white and gray material. Sellers were adhering to quotations prevailing previously.

Antimony.—Domestic spot metal was advanced ¼c. per pound to 11¾c. per pound, reflecting the higher price for antimony in the world market, rather than to any change in the situation here, which continued quiet, with the bulk of the demand confined to small lots.

Antimony, Needle.—The market was very firm, spot stocks were at abnormally low levels, with sellers able to supply only moderate-size inquiries. The difficulty in receiving shipments from the Far East was principally responsible for the tight position of the market. Quotations were unchanged.

Blue Vitriol. — Another revision occurred on the downside, 99 per cent crystals were lowered 15c. per 100 pounds to $4.10 per 100 pounds for car lots with the usual differentials for special sizes and smaller quantities. Quotations for monohydrated declined 20c. to $8.45 per 100 pounds for car lots. The weakness in the basic metal again was directly responsible for the easier price tone. With agriculture demand showing gradual acceleration in practically all sections, and commercial withdrawals steady, the market enjoyed a comparatively good volume of business. Export demand in some sections was excellent. March exports amounted to 602,447 pounds, valued at $25,440, of which 136,000 pounds went to Canada; 115,620 pounds to Honduras; 139,019 pounds to Mexico; 61,500 pounds to Colombia, and 34,381 pounds to Haiti.

Calcium Chloride.—The appearance of warm and dry weather in most sections favored some movement of this material for dust control work on roads, although weather conditions will have to remain good for a longer period before any normal movement of material for dust control activities by states and municipalities takes place. Other consumers were displaying a steady interest in the market. Quotations were without change. March exports totaled 194,687 pounds, valued at $3,816, of which 50,050 pounds went to the United Kingdom; 32,501 pounds to the Philippine Islands; 22,050 pounds to Colombia; 15,286 pounds to Canada; 11,400 pounds to Cuba; 16,023 pounds to Peru, and 16,401 pounds to Venezuela.

Carbon Bisulphide.—Spot and contract shipments for solvent purposes was moderately active in most directions during the past week. Quotations were without change. March exports amounted to 413,986 pounds, valued at $21,115, of which 264,562 pounds went to Canada.

Carbon Dioxide.—Warmer weather stimulated demand for refrigerating purposes, while the call from the beverage trade was somewhat improved. Price schedule was without alteration.

Chlorine.—Shipments for sanitation and water purification purposes were holding up very well. The call from the paper, textile and other large commercial sources was not entirely satisfactory, but shipments against contracts were moving fairly steady. Quotations for cylinders and tanks were in conformity with those established previously. March exports aggregated 1,292,340 pounds, valued at $24,900, of which 1,258,170 pounds went to Canada.

Copper.—A leading producer cut the price of domestic copper ¼c. to the 10c. per pound level, other leading producers and smelters followed, with one exception. Following the reduction busi-

Price Changes

Prices were changed during the past week as follows:—

Advanced

Antimony metal, ¼c. per lb.
Tetrachloride, anhy. of tin, ¼c. per lb.

Reduced

Blue vitriol, 99 p.c. cryst., 15c. per 100 lbs.
monohydrated, 20c. per 100 lbs.
Copper, electrolytic, ¼c. per lb.
Lead arsenate, 1c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
146.6	**147.9**	**146.7**	**153.4**

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

ness was not very active, but later a buying wave took place, and this subsided later in the week. Buying was fairly good in the export market earlier in the week, but later slowed down. Quotations were somewhat firmer at 10.19c. per pound, compared with a low of 9.97½c. to 10.02c. per pound earlier.

Copper Salts.—Sellers failed to change spot quotations for various copper derivatives, since prices are based on copper purchased at a much higher price, and the lack of stability in the basic metal recently prompted leading factors to maintain current schedules until the situation is more clarified. Demand for the carbonate, nitrate and oxides of copper remained moderate.

Copperas.—The position of the market remained firm, supplies were adequate to take care of the current demand. However, declining steel operations were watched closely for their ultimate affect on the statistical position of the market. Steel operations last week were scheduled at 47 percent of capacity, against 47.8 percent a week ago and 30.4 percent in the corresponding week last year.

Fluorspar.—Quiet conditions prevailed in the market. Despite more favorable weather, shipments to the metallurgical trade were not extensive, while the call for ceramic purposes was limited. Domestic and imported quotations held unchanged.

Glauber's Salt.—The market lacked any new feature of consequence. Leading consumers were represented in the market from time to time for moderate quantities. Quotations were unaltered.

Lime.—Quotations in various sections held unchanged. There was some seasonal interest directed in the market for agricultural purposes, while the call from basic consuming industries noted no particular broadening at this time.

Manganese Dioxide.—The call from the metallurgical, ceramic, battery and other leading consumers failed to show any tangible improvement, and consumers were making only necessary purchases. Quotations remained the same.

Nickel Salts.—The position of the market held firm, and quotations were well sustained. Shipments were fairly steady, but no unusual developments occurred to stimulate the demand.

Phosphorus.—Movement of red and yellow material and various compounds was rather limited, and commitments were usually confined to modest proportions. No change occurred in the quotations.

Potash Carbonate.—Consumers were entering the market for nearby production requirements, and while the demand was steady, volume was not especially large. Quotations ruled unchanged.

Potash, Caustic.—No new developments took place, and at best business was about routine. Sellers were adhering to quotations in force previously.

Potash Chlorate.—The match trade continued to provide most of the business, and withdrawals against contracts usually made up the call. Nothing new occurred in the quotations, and a steady tone governed the transactions.

Potash Permanganate.—Demand for water purification and other purposes was moderate last week. No change was disclosed in the quotations.

Saltcake.—With activity in the Kraft paper industry and the glass trade holding comparatively steady, sellers reported fair size withdrawals against contracts last week. Domestic and foreign quotations were without change.

Saltpeter.—A slight seasonal gain was made in some directions, but on the whole demand was not considered better than fair. Quotations for various grades of material held steady to firm.

Soda Ash.—Shipments were moving to industrial consumers at a steady pace, however, volume was not showing any broadening at this time. Prices for extra light held firm with car lots at $1.05 to $1.08 per 100 pounds. March exports aggregated 8,714,130 pounds, valued at $112,382, of which 3,442,164 pounds went to Mexico; 1,197,750 pounds to the Netherland Indies; 420,133 pounds to Canada; 573,150 pounds to Cuba; 793,811 pounds to Brazil; 973,000 pounds to British India; 257,948 pounds to China and 250,274 pounds to the Philippine Islands.

Soda Bicarbonate.—Quotations remained firm for the technical grade, and shipments against contracts provided most of the business. March exports totaled 1,537,632 pounds, valued at $24,805, of which 871,486 pounds went to Canada; 232,554 pounds to Mexico; 130,116 pounds to Cuba and 110,267 pounds to Venezuela.

Soda Caustic.—With operations in basic consuming industries showing slight leveling off, withdrawals were held close to actual production requirements. Quotations were unchanged. March exports amounted to 17,673,955 pounds, valued at $371,425, of which 2,668,074 pounds went to Canada; 3,535,796 pounds to Mexico; 1,520,851 pounds to Cuba; 1,120,954 pounds to Argentina; 1,700,639 pounds to Brazil; 1,187,817 pounds to China; 2,837,122 pounds to the Netherland Indies and 1,028,185 pounds to the Philippine Islands.

Soda Chlorate.—A pickup in inquiries and shipments for weed killing purposes was noticeable in the market last week. Sellers were anticipating a gradual pick up in business for this purpose until well into the Summer. Quotations were unaltered.

Soda Cyanide.—The call for case hardening and electroplating purposes was only moderate, and with the slackening in automotive operations, little improvement was expected from this source. Quotations remained firm. March exports totaled 82,247 pounds, valued at $10,258, of which 65,540 pounds went to Mexico.

Soda Phosphate.—Consumers were making their appearance rather steadily for necessary requirements, but interest was not showing any expansion. Prices were without change. March exports were 592,528 pounds, valued at $28,198, of which 255,295 pounds went to Canada and 243,654 pounds to the United Kingdom.

Soda Silicate.—Demand from the paper box trade and other channels remained comparatively favorable. Quotations held steady to firm. March exports amounted to 820,710 pounds, valued at $11,720, of which 356,310 pounds went to Canada; 268,022 pounds to Cuba and 100,050 pounds to the Philippine islands.

Soda Silicofluoride.—Demand was only fair in this direction. Domestic quotations were without alteration. Weakness was still evident in the imported material, although prices were generally maintained at the levels reported the previous period.

Soda Stannate.—Quotations held firm at the 32c. to 35c. per pound level. While no further advances were made in the Straits metal, the price seems stabilized around the 40c. per pound basis. Business was only moderate.

Sulphur, Refined.—Withdrawals for agricultural purposes were more active, while the call from the rubber, textile, paper and other commercial consuming sources was generally confined to routine levels. Prices were the same as previously.

Tin Salts.—Anhydrous tetrachloride of tin registered a ¼c. advance to the 25c. per pound level. Prices for tin crystals and anhydrous stannous chloride of tin held firm, but did not change. Straits metal was quoted at 49¼c. per pound.

Zinc Chloride.—A steady to firm price tone continued to characterize the dealings in this direction. Shipments to various consumers were moderate, and usually held close to actual needs.

Acids

The market for mineral acids continued to drag along in a routine fashion last week. Various large consumers were making their appearance rather steadily, but the volume of business was not considered very large. With some leveling off in industrial operations, the tendency to pursue the conservative purchasing policy was further enhanced. The market continued to lack any price changes, and sellers were generally adhering to schedules prevailing for some time past.

Acetic.—Consumers were taking various grades of acid moderately, and ordering close to production requirements in most instances. Price schedules were unchanged. March exports were 5,694 pounds, valued at $967.

Chromic.—Quotations continued firm in the market last week. While business was not broadening, sellers could point to a fairly steady interest.

Formic.—Demand was not very active, and large consumers were content to order on a hand-to-mouth basis as a rule. Prices were without change.

Lactic.—Business was irregular, some grades of material continue to be fairly

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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well taken, while others remained dull. No change occurred in the prices.

Muriatic.—Transactions in the market were about routine, and large consumers made their appearance when needs became urgent. Quotations ruled unchanged. March exports totaled 1,204,239 pounds, valued at $15,826, of which 974,510 pounds went to Cuba; 74,570 pounds to Honduras and 62,559 pounds to the Dominican Republic.

Nitric.—Consumers were making a steady appearance, but orders not particularly large in the majority of instances. Prices remained the same.

Sulphuric.—The market lacked any new buying support during the past week. With operations in some basic consuming industries leveling off, the tendency to purchase for nearby requirements still prevailed. Steel operations last week were scheduled at 47 percent of capacity, compared with 47.8 percent in the preceding week and 30.4 percent in the corresponding week a year ago. As far as prices were concerned, the schedule prevailing for some time remained in force.

Baltimore, May 10.—The market for sulphuric acid proved to be entirely devoid of changes of consequence either with respect to the new business coming out or the quotations, which remained nominally at $12 per ton for 60-degree and at $15 per ton for 66-degree acid. Oleum is in much the same position, with the requirements of buyers held down to low levels, while the nominal price remains at $17 per ton for 20 percent stocks.

Insecticides

A reduction in the prices for lead arsenate featured the market for agricultural insecticides and fungicides last week. Quotations were lowered one cent for car lots and less car lots to dealers. Quotations are now on the same basis all over the United States, with the ¼c. differential between east and west of Rocky Mountains eliminated. Aside from this development, other quotations were without alteration. Demand started to display more tangible signs of broadening. Weather conditions in many sections were more favorable, and consumers were making a belated appearance for necessary supplies.

Calcium arsenate moved well in some sections. However, demand from South-

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ern cotton States was rather slow in getting under way. The weather was mostly cool except in the extreme west and northwestern portions. Temperatures in the East were unfavorably low until later in the week. There was considerable rain in central and eastern sections, but showers were spotted and largely light in the West, according to the weekly government report. Lead arsenate moved better as warmer weather prompted many consumers to make preparations. The Bermuda Agricultural Department is starting a rigorous campaign against the Japanese beetle following last year's experience, when a number of dead beetles were discovered aboard ships from New York. The United States Department of Agriculture is cooperating and traps are being placed at strategic points throughout the colony. So far no live beetles have been found.

Calcium Arsenate.—Consumers' interest was showing mild improvement, weather conditions favoring the movement of material in some sections. Progress of the cotton crop was spotty, some sections reporting good growth, while others were held back by inclement weather. Price schedules were unchanged. March exports aggregated 380,400 pounds, valued at $15,601, of which 373,300 pounds went to Peru.

Lead Arsenate.—Quotations were reduced 1c. per pound, making car lots in bags to dealers 10c. per pound; less car lots, 10¼c. per pound. The differential on less car lots of ¼c. between the East and West was eliminated, and quotations in the United States are now on the same basis. The active season for withdrawals is now under way, and shipments were moving at a steady pace in many directions last week. March exports totaled 19,341 pounds, valued at $2,134, of which 9,300 pounds went to Mexico, 5,000 pounds to Cuba, 1,000 pounds to Haiti, and 2,232 pounds to the Union of South Africa.

Nicotine Sulphate.—Interest in the market showed some pickup with weather conditions more normal. Consumers were making preparations on a larger scale. Pricewise a steady to firm tone prevailed.

Moore Elected Head Of N.J. Section A.C.S.

—Continued from page 5

The new councillors are:—William T. Read, dean of chemical engineering of Rutgers University; M. L. Crossley and R. H. Kienle of the Calco Chemical Company; Ernest R. Hanson, of the Halowax Corporation; J. B. Austin, of the U. S. Steel Company; E. R. Allen, of E. I. duPont de Nemours & Co.; H. F. Wakefield, of the Bakelite Corporation; G. M. Maverick, W. J. Sweeney, R. M. Thomas, E. B. Peck and Per K. Frolich, all of the Standard Oil Development Company.

Radium History Told In Prior Chemical Magazine

The story of radium is told in the May issue of *Priorities*, published by the Prior Chemical Corporation, this city. Attention is given to the history of its discovery by the indomitable Marie Curie and to the fact that the most economical production at present involves carrying from the subarctic vast quantities of the semi-crude ore nearly 3,000 miles to the refinery, where many tons of both ore and chemicals are required to produce only a fraction of an ounce of radium. Note is taken too of some of the industrial uses of this potent element and its employment in inspection tests in government purchases.

Chemicals Wanted by Swiss

A concern in Zurich, Switzerland, is desirous of being supplied from the United States with caustic potash, 92 percent, in 20-ton lots; carbonate of potash, 96-98%, in 20-ton lots; and trisodium phosphate in lots of 50 to 100 tons. The Chemical Division of the Bureau of Foreign and Domestic Commerce says that the Swiss firm's inquiry was first made public by it about five months ago, but that the concern has had no offers. The Swiss concern is still in the market, the division says; the name of the inquirer can be obtained by asking the division about trade opportunity No. 8774.

Donald Woodford, of the New York sales department of Grasselli chemicals department of E. I. du Pont de Nemours, became the father of a baby girl May 3. Mother and child were reported doing nicely.

Trade Briefs

Fireworks will be banned in Pennsylvania under the provisions of a bill awaiting the signature of Governor James.

Henry Denny, vice-president of the Commercial Solvents Corporation this city, left last week for a trip to the Pacific coast.

Welrods Corporation, of Baltimore, manufacturer of welding electrodes, an affiliate of the Air Reduction Sales Company, New York, has changed its name to the Arcods Corporation.

Miller Fertilizer & Chemical Company, Baltimore, has taken over a plant in Medina, N. Y., known as the New York Insecticide Company, Medina, N. Y., and is operating the property.

Universal Fireworks Company main plant in Eatontown, N. J., was destroyed by an explosion May 4. One of the four smaller buildings of the plant was slightly damaged. No one was seriously injured.

Calif. Spray Chemical Holdings Of E.E. and E.B. Luther Sold

E. E. Luther and E. B. Luther have resigned from the board of directors of the California Spray-Chemical Corporation, a company controlled by the Standard Oil Company of California and the Standard Oil Company of New Jersey. The Luthers have disposed of their holdings to the Standard Oil interests. E. E. Luther and E. B. Luther will be actively engaged in the Chemurgic Corporation, Richmond, California.

Chemical Industry in U. S. Leads in Research, Says Stine

Philadelphia, May 11, 1939

Scientific research sponsored by chemical manufacturers has greatly benefited every major industry in the United States, not only by providing new materials, but also by making available at steadily decreasing prices the chemical products which manufacturers require, Dr. C. M. A. Stine, vice president of E. I. duPont de Nemours & Co., declared in an address on "Chemistry and Business" before the Robert Morris Associates in the Union League.

The American chemical industry, Dr. Stine said, leads in research expenditures. Five chemical companies, he added, spent more than $12,000,000 on research in 1937, or about $2.80 out of each $100 of their aggregate net sales.

Dr. Stine said that whereas this country had only 200 industrial laboratories in 1914, there are more than 1,700 today—an increase of nearly nine-fold in 25 years. He emphasized that industrial research in itself has become an important new "industry," employing 32,000 technical workers and expending some $250,000,000 annually. Such an expenditure, he pointed out, is well justified from a business point of view in that research has opened up new avenues of employment for countless thousands through the development of new industries.

Tungsten 1938 Output Up

In 1938, 3,044 short tons of concentrated ore, reduced to an equivalent of 60 percent WO_3, were shipped from domestic mines, according to the Bureau of Mines. This compared with 3,500 tons in 1937. Imports for consumption declined to 81 tons, compared with 2,848 tons in 1937. Production of tungsten, basis 60 percent WO_3, totaled 4,000 short tons in 1938, against 3,500 in 1937. Approximately 828,660 pounds of tungsten in concentrates were imported in bond for smelting, refining and export compared with 442,251 pounds in 1937. Imports of tungsten metal and tungsten carbide in 1938 were 22,814 pounds, compared with 133,959 pounds in 1937.

Feldspar Sales Decrease 27 Percent in 1938

Sales of crude feldspar in the United States totaled 196,119 long tons, valued at $895,081 in 1938, according to the Bureau of Mines. These figures compared with a 1937 tonnage of 268,532, valued at $1,303,249. Imports in 1938 amounted to 7,562 tons, against 12,956 in 1937. Ground feldspar sold by United States and Canadian merchant mills totaled 214,514 tons in 1938, against 279,272 in 1937.

Ground Feldspar Sold by U. S. Mills

	Short tons 1938.	1937.
Glass	117,800	142,028
Pottery	74,035	102,346
Enamel and sanitary ware	19,395	25,111
Other ceramic uses	2,077	6,442
Soaps and abrasives	1,021	1,653
Binder for abrasive wheels		242
Other uses	186	1,450
Totals	214,514	279,272

Chemical Salesmen Told Of Paper Trade Needs

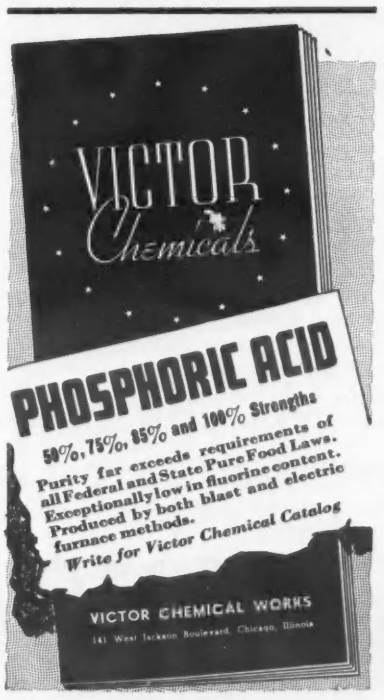
The field for the chemical salesman in the paper industry is almost virginal, Dr. Edward M. Frankel, consultant for the West Virginia Pulp & Paper Company, declared in an address on "Chemicals and Their Uses in the Paper and Pulp Industry," delivered at a luncheon-meeting of the Salesmen's Association of the American Chemical Industry, held in the Chemists' Club, this city, May 10, with seventy-nine members and guests in attendance.

Dr. Frankel discussed the growth of the paper industry, which he said now had a gross sales value of $1,500,000,000 annually. Too much stress, he said, cannot be laid upon the importance of the chemical salesman in this industry.

To some extent, Dr. Frankel said, the salesman becomes a service man, and to a very large extent he becomes the teacher of the industry. The chemical salesman, he pointed out, who is not well enough equipped so that he can talk authoritatively on the merits of his product for the requirement in hand, gets only passing attention in this industry unless he is well fortified with service men who are specialists in the application of the chemicals he has to sell. He added that the sale of chemicals to the paper industry constitutes a sale for the greatest part of chemicals for mechanical use, as opposed to strictly chemical use.

Turner & Co. Promotes J. S. Henry and Philip Lo Bue

John S. Henry has been appointed salesmanager of the heavy chemicals department of Joseph Turner & Co., manufacturers' agent, Ridgefield, N. J. Mr. Henry has been affiliated with the Turner organization for approximately nine years. Philip Lo Bue, who joined the company in September, 1937, has been made manager of the special products department. The Turner firm, headed by Walter Merrill, maintains branch offices in New York, Chicago and Providence.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Purity far exceeds requirements of all Federal and State Pure Food Laws.
Exceptionally low in fluorine content.
Produced by both blast and electric furnace methods.
Write for Victor Chemical Catalog
VICTOR CHEMICAL WORKS
141 West Jackson Boulevard, Chicago, Illinois

Fluorspar Consumption Down Sharply in 1938

In 1938 consumption of fluorspar in the United States was 115,000 short tons as compared with 194,300 tons in 1937, according to the Bureau of Mines. Production totaled 99,000 tons in 1938, against 183,000 tons in 1937. Shipments from domestic mines aggregated 80,403 tons, against 181,230 tons in 1937. Imports totaled 19,622 tons as compared with 37,063 tons in 1937. Stocks on hand at consumers' plants December 31 amounted to 71,800 tons, against 90,100 tons at the end of 1937.

Consumed in United States

	Short tons 1938.	1937.
Basic open-hearth steel	73,600	138,900
Electric-furnace steel	4,000	7,500
Foundry	2,000	2,500
Ferro-alloys	800	1,200
Enamel	4,000	5,900
Glass	10,500	11,600
Hydrofluoric acid	15,900	24,100
Miscellaneous	1,300	2,600

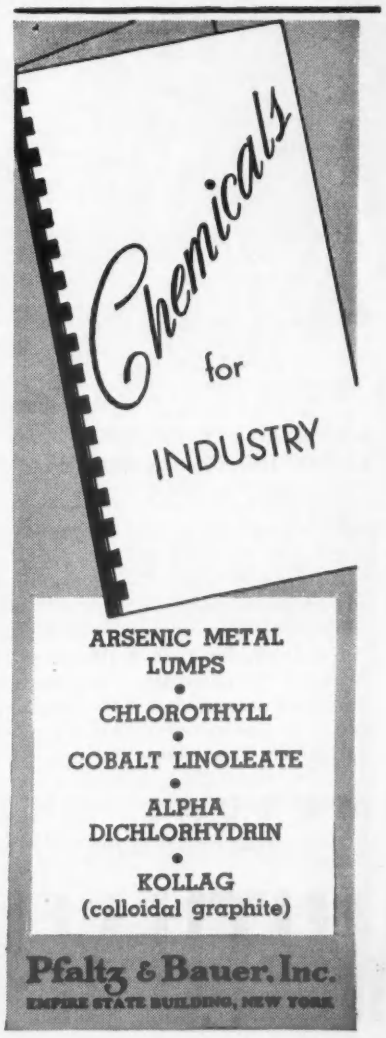
International Nickel Opens Sixth Field Service Office

The developments and research division of the International Nickel Company has opened a new field service office in 67 Wall street, this city. The new office, under the direction of J. W. Sands, will promote the use of nickel alloy steels and nickel cast irons, and the use of nickel in non-ferrous alloys. This is the sixth office opened by the development and research division. Other offices are located in Los Angeles, Chicago, Detroit, Hartford and Pittsburgh.

Celanese Gets Patents

An agreement has been made between the Celanese Corporation, this city, and the Trubenizing Process Corporation under which the Celanese organization became the owner of the two United States patents of the Trubenizing Process Corporation covering the manufacture of fused collars. This agreement ended a long litigation which culminated in a decision handed down August 23, 1938, by the United States Circuit Court of Appeals in which the patent to Dr. Camille Drefus, president of the Celanese Corporation, was held valid and infringed.

Sherwin Williams Company, paint manufacturer, Cleveland, has notified the New York Curb Exchange that 4,950 shares of its 5 percent series AAA preferred stock has been drawn for redemption on June 1 at $105 a share and accrued dividend, from holders of record April 29.



Spice Trade Adopts Uniform Cloves Contract

—Continued from page 5

Alternate arbitration committee, Avery F. Payne, of the Avery F. Payne Company; Alfred Joensson, of the Joensson Import Corporation; Ernest S. Klinkos; George L. Curtin, of the George L. Curtin Company, all of this city; and Joseph Wanta, of the Jewett & Sherman Company, Milwaukee.

Varying from usual trade association practice, the report of the president was presented on the closing day of the meeting, May 10. President Thayer opened his report by stressing the successful achievements of the association in maintaining just and equitable principles, establishment of uniformity of commercial usage, acquisition, preservation and distribution of valuable business information, adjustments of controversies and misunderstandings, and the promotion of the best interests of the spice industry. He paid special tribute to the spice grinders' executive committee and the committee on increasing the use of spices, and commended the work of the dealers' and brokers' sections in enlivening the industry. Less discord than ever existed among the grinders, and a heavy head of steam featured the publicity drive which used the several mediums of the daily press, the radio, magazines, and addresses before domestic science departments in universities.

Mr. Thayer thanked the several committee chairmen and gave high commendation to the work done by the committees on arbitration,, standards, and pure food law.

During the year the new food and drug act was the object of much study and that involved the relations between the industry and the Department of Agriculture. Regarding these relations, Mr. Thayer spoke as follows:—

The Department of Agriculture relations with our industry have been most courteous. They have on several occasions made re-examinations of detained lots of merchandise and have consulted with us about matters of mutual interest. There is one thing that they can not do—back down from their standards and there is no reason to expect that. There is nothing ambiguous about their position. It is clearly known to all, and our standards committee has taken the news abroad and shippers no longer can plead ignorance of the requirements of the National food and drug act.

Mr. Thayer said that the present membership consists of ninety-nine active, eleven associate and twenty-eight overseas members. He also reported a surplus in the treasury. His report closed as follows:—

The Temporary National Economic Committee sent me a questionnaire of twenty pages or more. These Washington gentlemen are taking quite an interest in us—want to know what we do; how we do it; what becomes of our money and enough other details to delay this meeting unduly. Not long ago an agent of the Federal revenue department bustled into our Wall Street office to collect a lot of taxes. He explained we were an exchange, sponsoring trading in spices for spot, future delivery and shipments. Our secretary was equal to the occasion, and he has not yet returned.

The meetings of the grinders, dealers' and brokers' sections were executive in character and following discussions of their several problems, committees to serve during the next year were selected as follows:—

Grinders' executive committee, John Max Weyer, of Van Loan & Co., this city, chairman; L. McCandless, of the James H. Forbes Tea and Coffee Company, also of this city; W. G. Volkmann, of Shilling & Co., San Francisco; James G. Murphy, of the Stickney & Poore Spice Company, Boston; Philipp H. Udell, of the Hudson Tea and Spice Company, Brooklyn; J. Bosley Bond, of the Wixon Spice Company, Chicago; N. E. Polster, of the Euclid Coffee Company, Cleveland; Paul D. Hursh, of Durkee's Famous Foods, Elmhurst, N. Y., and John J. Frank, of the F. Frank Tea & Spice Company, Cincinnati.

Brokers' section, George L. Curtin, of the George L. Curtin Company, chairman; William Archbold, jr., vice-chairman; A. A. Sayia of H. P. Herrfeldt & Co.; A. F. Payne, of the Avery F. Payne Company, and George F. Koell, of James W. Pfyfe & Co., all of this city.

Dealers' section, F. G. Mabbs, of the Mincing Trade Corporation; Edwin H. Levy, of Levy & Levis, vice-chairman, J. B. Catz, of the Catz American Company; Ernest Klinko, and K. Schussler, of the Gerdau Company, all of this city.

Obituaries

R. W. Blanding

Richard W. Blanding, president of Blanding & Blanding, Inc., long established drug house, Povidence, R. I., was stricken fatally as he was preparing to tee off May 7 at the first hole at the Agawam Hunt golf course in East Providence. He died a short time later in a hospital.

A native of Providence, Mr. Blanding graduated from Brown University in 1903. He subsequently joined his father's firm, Blanding & Blanding,

R. W. Blanding

which had been originally founded by his grandfather, William B. Blanding, in 1849. Upon the death of his father in 1921, Mr. Blanding became president and treasurer of the organization. In 1929 the wholesale business of Blanding & Blanding was sold to McKesson & Robbins, Inc. and Richard Blanding became president of the Providence division. He resigned from this position in 1935 in order to concentrate on the Blanding & Blanding retail trade.

He was a past member of Adephi Lodge of Masons, a member of Agawam Hunt and Providence Chamber of Commerce, treasurer of the Rhode Island College of Pharmacy and treasurer of the Rhode Island Pharmaceutical Association.

He is survived by his wife, Mrs. Mabel Blanding; a son, Richard H. Blanding, of the University of Chicago, and two brothers, Alan C. Blanding, of South Dartmouth, Mass., and William Cornell Blanding of Syracuse, N. Y.

Alfred J. Keppelmann

Alfred J. Keppelmann, formerly Eastern general manager of the Fabenfabrik of Ebberfeld, German dyestuffs manufacturer, died May 1 in his home in West Orange, N. J., after a long illness. He was about seventy-five years of age.

Born in Stapleton, S. I., Mr. Keppelmann obtained his chemical training in German and Swiss universities. After his return to this country he resided in Philadelphia, where he maintained his offices as Eastern manager of the Farbenfabrik organization. He retired about twenty years ago because of ill health, and moved to West Orange.

Surviving are his wife, the former Julie T. Gaul, of Conshohocken, Pa.; two sons, Alfred J. Keppelmann, jr., and Frank Alfred Keppelmann; a brother, Erich Keppelmann, of New York; a sister of Tarrytown, N. Y.; and three sisters in Germany.

—Continued on page 31

BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
OXALIC ACID

12,000 miles from American industry on the subtropical isle of New Caledonia, Mutual Chemical Company operates its own chrome ore mines. In this melting pot of the South Seas, where the only available labor is a heterogeneous group of Polynesians, Mutual has created a mining colony in charge of capable American engineers. Thus is coordinated a remote mining operation with the more complex processing of the ore into chromium chemicals at two independent plants, and complete distribution facilities throughout the United States.

This pioneering achievement of the Mutual Chemical Company was an important development for the Bichromate Industry and marked another milestone in the Company's history.

MUTUAL CHEMICAL CO. OF AMERICA
270 MADISION AVENUE, NEW YORK CITY

MUTUAL BICHROMATES

Dyestuffs, Textile and Leather Chemicals

Gambier Scarce With Singapore Cubes and Plantation Higher —Short Crop Brings About Firmer Prices for Tapioca Flour —Bichromates Steady—Egg Products Unchanged

Price movements in the market for dyestuffs, textile and leather chemicals were limited last week, but the few changes that occurred were on the upside. However, the strength in gambier and tapioca flour was primarily brought about by the short position of the market rather than to any renewed buying interest. General demand was narrow in practically all sections of the market. Buying by textile, leather and other consumers was still cautious in view of the tapering off in operations at this time. One of the uncertainties was lifted when prospects appeared bright that the soft coal strike would be entirely settled by the beginning of the week.

Tanning materials were featured by the strength in gambier. The spot position of the market was very tight, consequently, quotations for the plantation and Singapore cubes were firmer. Common material was very scarce and the market continued nominal. Other products held their recent price levels, although the buying interest was not very broad. Reduction of war risk insurance as tension abroad seemed relieved, prompted some tanners to revert to a hand-to-mouth buying policy. Various grades of tapioca flour were higher, reflecting the short crop in principal producing countries because of unfavorable weather conditions. Sizing materials otherwise were steady to firm. Egg products failed to display any further weakness. Corn derivatives were firm. The scarcity of imported blood albumen resulted in a nominal market for the material, while buying of the domestic grades was bolstered, and the market was very firm.

There was little feature to the trading in natural dyestuffs, logwood continued to move moderately, while the price tone held quite steady. Potash and soda bichromate remained firm, although volume was receding from the more favorable levels recorded earlier in the year, but volume was well ahead of the same time a year ago. Potash prussiate was without any new feature. Zinc dust was firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Gambier, cubes, Singapore, ¼c. per lb.
plantation, ¼c. per lb.
Tapioca flour, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
137.8	137.8	139.5	152.1

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride. — Movement of crystal and solution material was routine, and consumers were not inclined to extend commitments beyond current needs. Prices held steady to firm.

Potash Bichromate.—A firm price tone predominated in the market, while business was generally moderate throughout the past week.

Potash Prussiate.—The call for the red and yellow grades was not broad, and usual consumers supplied came in the market for urgent needs, as a rule. Quotations were without change.

Soda Bichromate.—Volume continued somewhat below the high levels of the year, but was still making a favorable comparison with a year ago. Quotations ruled firm. March exports totaled 664,117 pounds, valued at $41,514, of which 156,800 pounds went to the United Kingdom; 101,413 pounds to Mexico; 99,390 pounds to Canada; 65,890 pounds to Belgium; 74,975 pounds to the Netherlands, and 41,887 pounds to Chile.

Sulphonated Oils.—Quotations held steady in the market for various sulphonated oils last week. Business was not very active, however, with consumers following a conservative buying policy. Tallow oil subjected to sulphonation during quarter ending March 31 totaled 1,638,472 pounds; olive oil, 304,180 pounds and castor oil 3,410,804 pounds, according to reports filed by 64 establishments to the Department of Commerce.

Zinc Dust.—Business in the market was held to modest levels again last week. The prices remained firm, reflecting the stability in the basic metal.

Dyestuffs

Annatto.—Demand for the seed and paste continued to be confined to small lots. Pricewise the market remained the same, and a steady tone governed the transactions.

Archil.—A conservative buying policy prevailed in most consuming quarters, and volume was not large during the past week. No change occurred in the quotations.

Cochineal.—The call from the textile trade and other consumers was held to moderate proportions throughout the week just ended. Quotations were without alteration.

Fustic.—Business showed some leveling off in this direction from earlier in the year, but interest was considered satisfactory for small quantities. Quotations held unchanged.

Logwood.—Transactions in the market were only moderate, and most consumers followed a cautious buying policy. Prices ruled firm. March exports of logwood extract amounted to 32,657 pounds, valued at $5,756, of which 17,716 pounds went to Costa Rica and 10,340 pounds to Japan.

Sizing Materials

Albumen, Blood.—The market for the imported material was nominal. Spot position of the market was practically negligible while prospects of future supplies remained remote in view of the additional tariff on imported materials. Domestic material was in better demand as the result of the situation in the foreign product, and the prices were firm.

Albumen, Egg.—While the tone of the market remained easy, quotations underwent no further changes. The downward trend of prices has not stimulated business appreciably, and the market was not very active last week.

Dextrin.—Prices were fully maintained, and the undertone was firm in view of the stability in the raw commodity. Interest in the market was fairly steady. Corn grind of eleven refiners of syrups, starches, sugars and other derivatives of corn for April totaled 5,089,993 bushels, against 5,104,094 bushels in the preceding month and 5,141,138 bushels in April, 1938. For the first four months this year corn grind aggregated 20,562,167 bushels, compared with 21,539,444 bushels in the corresponding period a year ago.

Egg Yolk.—The market remained dull, despite the quiet nature of the dealings, quotations were well sustained, and a steady tone remained in evidence.

Starch.—Business was reported as moderately active in most directions last week. Quotations held their recent gains, and a steady to firm tone governed the transactions. Corn planting made satisfactory progress during the week, the reaction to higher temperatures being especially favorable in some sections, according to the weekly weather report.

Tapioca Flour.—Quotations were generally higher in the market last week, ranging from 2¼c. to 4c. per pound. The strength in the market reflected the scarcity in the Far Eastern centers where unfavorable weather conditions brought about a short crop.

Tanning Materials

Gambier.—Quotations for the plantation and Singapore cubes were fractionally higher, ranging from 8¼c. to 9¼c. per pound for the former and 8½c. to 9½c. for the cubes. The common material remained nominal. The firmer tone was brought about primarily by the short position of the market, with spot stocks nearly depleted, rather than to any renewed buying interest.

Mangrove Bark.—Price established the preceding period was well maintained. Buying was limited to routine proportions during the past week.

Myrobalans.—A steady to firm price tone characterized the dealings. Business was not very active.

Quebracho. — Movement of various grades of extract were held to moderate levels last week. Pricewise a steady to firm tone prevailed.

Sumac.—No change occurred in the prices for the leaf and ground material. Tanners were exerting only slight interest in the market.

Valonia.—The market lacked any new buying of consequence last week. Quotations were in conformity with those established previously.

Egg Products Standards Submitted by D.of A. Attorney

OPD Washington Bureau
May 11, 1939

Proposed definitions and standards of identity for various egg products were recommended to the Secretary of Agriculture today by John McDill Fox, department attorney, who presided at hearings held in January on tentative standards. The standards recommended are not materially different from those originally proposed by the department.

Interested parties will have ten days to file objections. The products covered are liquid whole eggs, liquid mixed eggs, frozen whole eggs, frozen mixed eggs, dried whole eggs, egg yolks, frozen egg yolk, dried egg yolk.

White Back from So. America

Sumner W. White, jr., secretary of the Mutual Chemical Company, manufacturer of bichromates, this city, returned May 2 from an eleven-weeks' South American business and pleasure trip, during which he visited Peru, Chile, Argentina and Brazil.

Mayer Joins Chemistry Staff Of Columbia University

Dr. Joseph E. Mayer, associate professor of chemistry at the Johns Hopkins University, has been appointed an associate professor in Columbia University. Dr. George E. Kimball, instructor in chemistry, has been promoted to an assistant professorship.

Tanners Warned Costs Must Govern Prices

—Continued from page 3

necessity for adjustment to the new industrial background and the maintenance of fair trade practices.

I. R. Glass, economist for the council, briefly discussed several factors that have been prominent recently in making hide prices. Although hide prices, he claimed, have long been known as exceptionally sensitive and volatile, the importance of price fluctuations in tanners' raw material has become more important than ever. Mr. Glass pointed out that fifteen or twenty years ago changes in hide prices pre-supposed commensurate changes in the value of leather and the price of shoes and other leather goods. More recently, however, the development of fixed price retail merchandising has, he said, set up a relatively inflexible roof, while tanners' costs continue to fluctuate violently. Squeezed between fluctuating costs and immovable retail prices, he added, the industry cannot afford to ignore any of the factors which determine hide prices.

Edward L. Drew, the council's statistician, discussed "Fact, Figures and Rumors." Mr. Drew analyzed the necessity for scepticism with respect to trade rumors and the need for reliance on facts and figures. He cited several instances of published reports regarding trade conditions which were completely lacking in accuracy. In one case an impression became widespread that demand for a certain type of leather was practically non-existent. A comparison of the statistical reports with the printed story of "no business" clearly indicated, he said, that the published report had not the slightest basis in fact. The council's statistician went on to indicate that while unfounded rumors might not be accepted as 100 percent true, they could, nevertheless, do substantial harm.

D. M. Kelley has been elected to the directorate of the International Products Corporation, this city.

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SOLVENT — for almost all organic materials and many inorganic salts. Preparation acetonitrile, pharmaceutical products.
Samples and further information on request.
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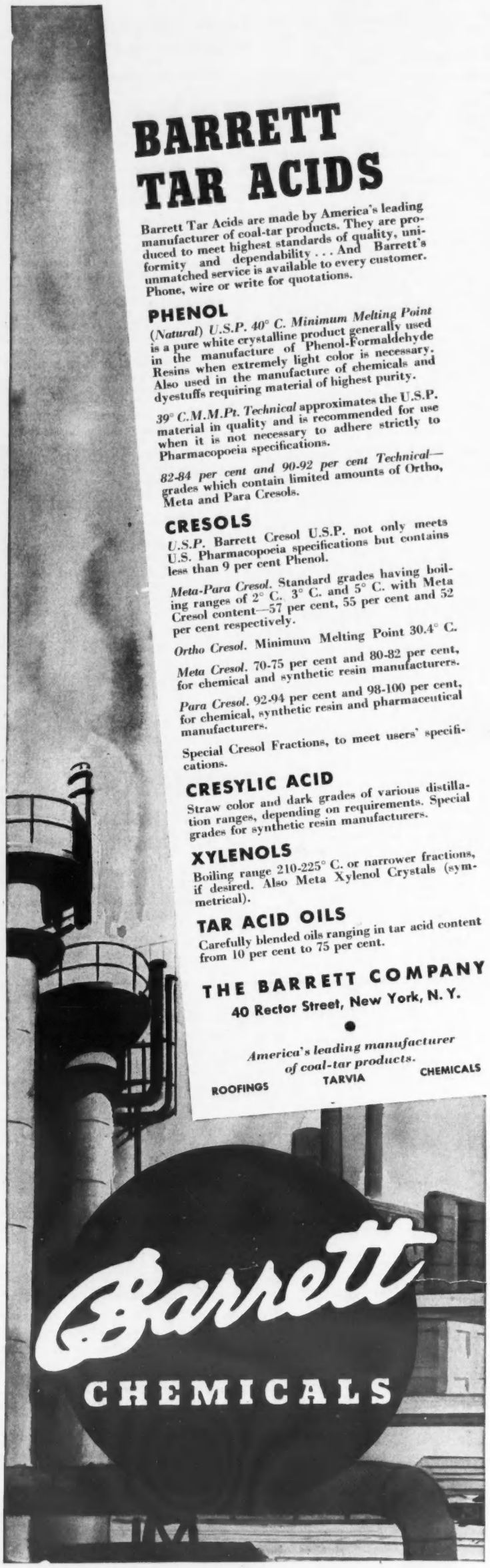
Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7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PHENOL
(Natural) U.S.P. 40° C. Minimum Melting Point is a pure white crystalline product generally used in the manufacture of Phenol-Formaldehyde Resins when extremely light color is necessary. Also used in the manufacture of chemicals and dyestuffs requiring material of highest purity.
39° C.M.M.Pt. Technical approximates the U.S.P. material in quality and is recommended for use when it is not necessary to adhere strictly to Pharmacopoeia specifications.
82-84 per cent and 90-92 per cent Technical—grades which contain limited amounts of Ortho, Meta and Para Cresols.
CRESOLS
U.S.P. Barrett Cresol U.S.P. not only meets U.S. Pharmacopoeia specifications but contains less than 9 per cent Phenol.
Meta-Para Cresol. Standard grades having boiling ranges of 2° C. 3° C. and 5° C. with Meta Cresol content—57 per cent, 55 per cent and 52 per cent respectively.
Ortho Cresol. Minimum Melting Point 30.4° C.
Meta Cresol. 70-75 per cent and 80-82 per cent, for chemical and synthetic resin manufacturers.
Para Cresol. 92-94 per cent and 98-100 per cent, for chemical, synthetic resin and pharmaceutical manufacturers.
Special Cresol Fractions, to meet users' specifications.
CRESYLIC ACID
Straw color and dark grades of various distillation ranges, depending on requirements. Special grades for synthetic resin manufacturers.
XYLENOLS
Boiling range 210-225° C. or narrower fractions, if desired. Also Meta Xylenol Crystals (symmetrical).
TAR ACID OILS
Carefully blended oils ranging in tar acid content from 10 per cent to 75 per cent.
THE BARRETT COMPANY
40 Rector Street, New York, N. Y.
America's leading manufacturer of coal-tar products.
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CHEMICALS

Coaltar Chemicals

Government Intervention Hastens Settlement of Coal Strike—Phenol Steady—Benzol, Toluol and Xylol Hold Firm—Imported Crude Naphthalene Slightly Easier

The bituminous coal strike continued to occupy the spotlight in the market last week. Intervention by the President, and indication that the government would take drastic action unless negotiations were ended and the mines reopened, precipitated a settlement between operators and members of the United Mine Workers. Steel operations continued to level off, dictated partly by efforts to conserve coal and coke. In the interim buying of coaltar chemicals was not very brisk. Present production, with few exceptions, was adequate to meet current requirements. A slight concession in imported naphthalene provided the market with the only price change.

Benzol, toluol and xyloi maintained their firm position, conditions in the market remained tight. As far as could be learned, sellers were able to meet present domestic requirements, but little material was available for export at current levels. Future supplies will depend entirely upon coke production. Activity in the steel industry has been declining for several weeks, however, hopes were held that conditions in the industry will at least become stabilized around current levels. Sellers were still cautious about accepting large inquiries until the situation is more clarified.

Imported crude naphthalene was available at slightly lower prices for prompt shipment, indicating that conditions abroad were more favorable. The spot position of the market was not burdensome. Refined material was aided by better weather in most sections, and consumers were taking a more active interest. The situation in cresylic acid remained spotty; imported acid was in sufficient supply to bring about an easy price tone, although interest in the market was not very large. Conditions in the foreign material, had no reflection on domestic quotations. Creosote oil was not up to seasonal expectations, some large consumers were still displaying a conservative purchasing policy. Phenol moved steadily in most directions, perhaps, not as freely as previously, but most quarters report satisfactory demand. There was some withdrawals for export purposes, but this was not considered very important.

Coaltar colors failed to improve materially, with a general cautious buying policy in evidence. Three separate standardized forms have been devised by the Department of Agriculture covering applications for the certification of coaltar colors under the Federal Food, Drug, and Cosmetic Act. Demand for intermediates and acids were falling behind the preceding month, buying was chiefly concerned with small lots for current needs. Some materials, however, continued to move steadily such as phthalic anhydride, dimethylanilin, nitrobenzene and maleic acid. March exports of coaltar intermediates amounted to 351,780 pounds, valued at $79,066.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Naphthalene, crude, imported, 5c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.6	125.6	125.6	126.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Conditions surrounding the market remained relatively unchanged, the position of the market as far as stocks were concerned remaining tight, and the outlook for immediate improvement depended to a large degree upon the future rate of steel operations and settlement of the bituminous coal strike. Quotations were unchanged. Demand for domestic purposes proved adequate to absorb most material in sight and it was becoming increasingly difficult to obtain any sizable quantities for export purposes. March exports aggregated 1,590,140 gallons, valued at $232,900, of which 1,476,026 gallons went to France, 67,421 gallons to Belgium, and 22,837 gallons to Uruguay. Steel production last week was estimated at 47 percent of capacity, compared with 47.8 percent in the preceding week, and 30.4 percent in the corresponding week a year ago. Operations during April averaged about 50.99 percent of capacity, against 56.14 percent in March, and 33.34 percent in April, 1938, according to the American Iron and Steel Institute.

Coaltar.—Dealings in the market for crude and refined material held at routine levels last week. Prices were in line with those prevailing for some time. March exports were 22,382 gallons, valued at $2,209, of which 15,132 gallons went to Canada.

Creosote Oil.—While the market continued to display some evidence of seasonal expansion, inquiries and shipments were not entirely up to seasonal expectations, reflecting the conservative buying policy of major consumers. Quotations were without change. Exports from this country during March were only 15,015 gallons, of which 11,088 gallons went to Canada. Imports into the United States during the first quarter of 1939 totaled 18,846,532 gallons, valued at $1,611,807, compared with 11,762,178 gallons valued at $1,361,468, in the corresponding quarter a year ago. This represented an increase of about 60 percent in volume shipments over the preceding year.

Cresols.—Trading in the market was not extensive, most sellers reported a fairly steady interest for moderate quantities for the disinfectant and synthetic resin trades. A steady to firm price tone remained in evidence.

Cresylic Acid.—Demand was spotty for various grades of acid throughout the past week. Domestic quotations were without alteration. The situation in the imported material showed relatively little change from recent weeks. Stocks of acid were in excess of the demand, and very little interest was manifest in the offerings. Quotations remained on the easy side.

Naphthalene.—A slightly easier tone was noted in the imported crude product, and material was obtainable at $1.60 per 100 pounds. The lessening of tension abroad was responsible for the lower quotation, after several weeks of firmness. Spot stocks were not considered burdensome. Refined grade moved in better volume, weather conditions generally favored consumer buying in most sections. No price changes occurred in the domestic market.

Phenol.—Interest in the market was maintained at steady levels in most consuming lines, and sellers were able to report fair sales in several directions. There were no new price developments. March exports amounted to 151,021 pounds, valued at $33,935, of which 4,461 pounds went to Belgium, 98,550 pounds to the United Kingdom, and 46,160 pounds to China.

Pitch, Coaltar.—A steady to firm price tone predominated in this direction. Business was about routine and consumers were not displaying much interest in the market aside from nearby needs. March exports were 786 tons, valued at $15,778, of which 475 tons went to France and 206 tons to Canada.

Pyridin.—There was nothing new to report in the market. Quotations, of course, held very firm, and despite the tight position of the market recorded no changes. Sellers remain well sold up on present production.

Tar Acid Oils.—A moderately active movement of material was reported in the market during the past week. Pricewise, no new developments occurred, and a steady to firm tone governed the transactions.

Toluol.—The statistical position of

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

the market lacked any improvement. Sellers had little trouble disposing of available quantities. Fear was still expressed over future supplies in view of the declining steel operations and the prolonged coal strike. Quotations ruled firm.

Xylol.—While prices held firm no changes were uncovered last week. Consumers were withdrawing quantities directly from production, which, for the present, was adequate to meet current needs, but the outlook for later in the year was not too encouraging.

Chicago Coaltar Bases

A good demand continues for representative grades of coaltar bases. Supplies coming on the market are reported to be slightly smaller in total volume, because of a tendency in the steel industry to operate on a slightly reduced basis. However, it appears there is continuing to be a fairly good equilibrium between demand and supply for most of the products. Inquiry is fair. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—The market was without any important developments, and trading was confined to narrow proportions. Prices held firm.

Broenner's.—Business was along routine lines throughout the past week. No change occurred in the quotations.

Cleve's.—Usual consumers came in the market for modest quantities for nearby production requirements. Quotations ruled unchanged.

Fumaric.—The market was without any particular feature, with dealings held to small quantities in the majority of instances. Quotations ruled firm.

Gamma.—Transactions in this direction remained dull, and modest purchases usually made up the call. Quotations were in conformity with the preceding period.

Maleic.—Spot and contract business was about steady during the past week. No change was disclosed in the prices, the tone of the market was firm.

Succinic.—Demand was strictly routine, and consumers limited commitments to nearby needs. Sellers were adhering to quotations in effect previously.

Sulphanilic.—Small quantities usually made up the call in this direction last week. Pricewise the market maintained a steady to firm tone.

Tobias.—Business was not very broad, and most commitments were of a conservative nature. Quotations were in conformity with those prevailing previously.

—Continued on page 32

Maleic Acid Production Increased by Germany

With a view to establishing a domestic raw material base for maleic synthetic resin manufacture, the I. G. Farbenindustrie A. G., sometime ago started to develop its own output of maleic acid, causing a complete cessation of imports which were supplied chiefly from the United States. The I. G. Farbenindustrie A. G., recently completed construction of a new plant, with productive capacity of around 40 metric tons monthly, for producing maleic acid. The plant is reported to be most modern in design. Its entire output will be consumed by the I. G. Farbenindustrie A. G., for processing in its own plants to alkyd resins, according to the American consulate general in Frankfort-on-Main.

Animal Dips in Argentina Come Chiefly from Britain

The 44,000,000 sheep and 33,000,000 cattle in Argentina create a big demand for sheep dips and, to a lesser extent, other animal dips. Although there is a substantial local production in these lines, the bulk of the demand is still supplied by imports, which in 1937 totaled 8,871 tons of sheep dips and 328 tons of tick killers, practically all of which came from the United Kingdom, according to office of the American commercial attache in Buenos Aires.

Bata Shoe Company, whose chief factory is in what was formerly Czechoslovakia, and who operates a small factory in Massachusetts, has asked for bids for the first units of a new plant to be built on property owned north of Baltimore, Md.

Obituaries

—Continued from page 24

George B. McClain

George B. McClain, vice-president of the C. A. Willey Company, paint manufacturer, Long Island City, died at his home in Flushing, N. Y., on May 2 after an illness of several months. He was seventy years of age. Mr. McClain became associated with C. A. Willey Company in 1907, taking charge of the varnish manufacturing department. He had previously been affiliated with Healey Company, body builders, New York, as superintendent of its finishing department.

Joseph Warner Allen, for thirty-two years associated with subsidiaries of Anaconda Copper Company, died while transacting business in an Elizabeth, N. J., bank on May 11. He was 63 years old.

Harry Gerald Burnham, of the supply division of the Standard Oil Company, died April 24 in Colombia, South America, where he had been a representative of the company for several years. He was buried May 9 in Limestone Township, Clarion County, Pa., where he was born and spent his youth. He was 44 years old.

Martin Hissem, "Apple Santa," elevator operator in Havemeyer Hall, chemistry building, Columbia University, from 1922 to 1932, died May 10 in the home of a daughter in Verona, N. J. He was ninety-four years old and in his earlier years had been a skipper of Ohio river steamboats.

Luther H. Johnson, founder and president of the Pennzoil Company of California, died May 6 of a heart attack in his home in Los Angeles. He was fifty-three years of age. Surviving are his wife, one daughter and a son.

Edgar Van Leuven, in charge of exporting materials for construction for the Standard Oil Company of New Jersey before his retirement in 1934, died in his home in Montclair, N. J., after a year's illness. He was 65.

Drug Law Color Certificates Issued to Three Companies

—Continued from page 3

be added to the list of those eligible, and a hearing on these will be held in the near future.

The new regulations and the findings of the Secretary of Agriculture follow closely the proposed findings and recommended regulations of Frank S. Hassell, department attorney, who conducted the hearings. These were published in the *Federal Register* April 8.

Application Forms Prepared

The Food and Drug Administration has prepared three standardized forms for applications for certification of colors under the law. Three forms have been provided in order to differentiate straight colors, mixtures, and repacks. In explanation of the forms, Mr. Campbell has written to certifiers and prospective certifiers as follows:—

In order that the manufacturers of coaltar colors who submit samples for certification under the new regulations may promptly furnish all information required by the Food and Drug Administration, to show that the sample is from a batch which is eligible for certification for the purpose intended, each sample must be supported by a separate request made out on a standardized form. These forms vary, the one to be used in any instance depending on whether the request covers a primary or straight color submitted for initial certification, or a mixture of certified colors, or a repack of a portion of a previously certified batch.

A supply of the several request forms has been prepared by the Food and Drug Administration, and a limited number of each kind will be furnished to manufacturers desiring to submit samples for certification. Each manufacturer or other person who expects to submit samples from time to time should immediately provide himself with his own supply of the required forms, either typed or printed, preferably set up under his own letterhead.

Paint and Varnish Exchange Club will hold a meeting in the Brooklyn Engineers Club May 10. John Lutz, of the Titanium Pigment Corporation, will speak on "The Newer Titanium Pigments."

UNIFORM
DEPENDABLE
QUICKLY
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KOPPERS
Coal Tar Solvents

BENZOL—ALL GRADES
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XYLOL—10° AND INDUSTRIAL
SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—99%, pale, low-boiling. Insecticide Grades—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous-base Paints . . . Coal . . . Coke . . . Tanks and Tank Work . . . Removal and Recovery Systems . . . Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

KOPPERS COMPANY PITTSBURGH PENNA.

Coaltar Chemicals

—Continued from page 31

Other Intermediates

Anilin.—The market was devoid of any new price developments, and sellers were adhering to quotations prevailing for some time. Demand was moderate, and usually for nearby production requirements.

Anthraquinone. — Little of interest transpired in this direction, transactions were of a routine character, while prices were well sustained.

Benzidin Base.—A firm price tone ruled in the market throughout the past week. Business was fairly steady for small quantities.

Dimethylanilin. — Shipments were moving to large consuming channels at a moderate pace, but no particular broadening in the call was discernible. Quotations were without change.

Metanitroanilin.—The market lacked any developments of consequence, and the demand was rather restricted in most directions. Prices ruled unchanged.

Nitrobenzene. — Sellers could not point to any expansion in business, but were making shipments to various consumers against contracts and in the spot market in satisfactory volume.

Orthochlorphenol.—Quotations failed to show any changes in the market, while business was moving quite steadily for small quantities.

Phthalic Anhydride.—Demand from the synthetic resin and plastic trades remained satisfactory, and other consumers were exerting a satisfactory interest in the market. Pricewise a steady to firm tone predominated.

Schaeffers Salt.—Trading was on a strictly routine basis, and the market was without any change as far as prices were concerned.

Thiocarbanilide. — There was little feature to the market last week. Consumers were making their appearance when needs became urgent, and prices were in line with those established previously.

Xylidin.—No new developments of consequence entered the market, consumers were making only necessary purchases in the majority of instances. Quotations were steady to firm.

Coaltar Colors

Business in the market for various coaltar colors failed to improve last week. Sellers reported a generally conservatice buying policy from most consumers, and volume was below earlier in the year, however, the comparison with a year ago still remained favorable. Price developments were absent, and a steady to firm tone ruled. Three separate standardized forms have been devised by the Department of Agriculture covering applications for the certification of coaltar colors under the Federal Food, Drug and Cosmetic Act. The forms vary, the one to be used depending on whether the request covers a primary or straight color submitted for initial certification, or a mixture of certified colors, or a repack of a portion of a previously certified batch. March exports of coaltar colors aggregated 714,599 pounds, valued at $353,947, of which Belgium, Canada and China provided the largest market. Although a renewed upward trend in Germany's dyestuff export trade was evident in the first two months of 1939, the improvement was limited in comparison with the heavy losses of last year, according to the Department of Commerce.

N.Y. Textile Chemists Will Meet May 19

The New York section of the American Association of Textile Chemists and Colorists will hold a regular monthly meeting May 19 in the Swiss Chalet, Rochelle Park, N. J. The meeting will start at 8:00 p. m. and will be preceded by dinner starting at 6:30 p. m. The charge for the dinner will be $1.50, and the customary fee of 25 cents will be collected in the meeting.

Dr. Jerome Alexander, consulting chemist, will address the section on "Hand in Textiles and Its Relation to Underlying Structure."

The nominating committee will present the 1939-40 slate.

McCormick Made Director Of Commerce Chamber

Charles P. McCormick, president of McCormick & Co., manufacturer of chemical specialties, Baltimore, was elected to the directorate of the Chamber of Commerce of the United States, at its recent meeting in Washington. Mr. McCormick will represent the third

Charles P. McCormick

election district, which takes in Maryland, Virginia, West Virginia, North and South Carolina and the District of Columbia.

Mr. McCormick, who is the author of "Multiple Management," is chairman of the Baltimore Federal Reserve Bank and a member of the electorate of a number of banking institutions. He is also a former president of a number of trade associations, including the National Association of Insecticide and Disinfectant Manufacturers and the Mayonnaise Manufacturers' Association.

Magnesium Output Off

Domestic primary magnesium sold or used in the United States totaled 4,819,617 pounds, against 4,539,980 pounds in 1937. Metallic magnesium imported in 1938 amounted to only 60 pounds of sheets, tubing, ribbons, etc., valued at $188, compared with 1,321 pounds of powder valued at $1,727 in 1937. The Dow Chemical Company, Midland, Mich., continued as the sole producer of primary metal.

Foreign Trade Services Consolidated by President

—Continued from page 5

retaries of these two departments, who will receive directly the results of investigations in their own fields.

A much greater degree of coordination and effectiveness in our foreign establishments can be achieved under the plan than has ever before been possible. The needs of the different departments and agencies of the government will be met more efficiently and the responsiveness of the foreign establishments to these needs will be greatly improved.

The plan presupposes that it may be necessary from time to time for various departments and agencies of the government to send abroad specialists and technicians for relatively temporary duty. While these will not be in the foreign service, strictly speaking, they will be given a suitable commission by the Departmentt of State on a temporary basis, so that they may have the same obligations as other officers of the foreign service while on duty abroad.

The plan also presupposes a special training period within the Department of Commerce and the Department of Agriculture for foreign service officers selected to specialize in commercial or agricultural work, and contemplates the fullest utilization of the experience gained abroad by foreign service officers in the work of the Departments of Commerce and Agriculture in this country. There will be stationed in the Department of State a liaison officer of the Department of Commerce and of the Department of Agriculture to make effective the proposed cooperation.

The plan specifically leaves undisturbed the relationships of the Department of Commerce and of the Department of Agriculture with the commercial and agricultural communities. What it does do is to consolidate the foreign services into one foreign service in the Department of State, where it ought to be, with the resulting advantages of economy, efficiency, better functional grouping, elimination of overlapping and duplication of effort, and greater service to our commercial and agricultural interests.

A joint statement explaining the consolidation was issued by the state, commerce, and agriculture departments, and Harry L. Hopkins, Secretary of Commerce, issued a separate statement praising the consolidation as an aid to business. The plan will be discussed further by Secretary Hopkins May 25 in an address at the world trade dinner at the New York World Fair. This address will be broadcast between 9:00 and 10:00 p. m. Eastern daylight saving time.

Exemption of petroleum stills from registration under the alcohol tax section of the internal revenue code is purposed in a bill (H.R. 6207) introduced in Congress by Representative Disney. Petroleum refinery stills are now required to be registered.

These exclusive features of

J & L CXP BENZOL

increase your production, cut processing costs and assure you a better product

Here is a Benzol completely free of corrosive compounds—that will keep your stills running on a continuous maximum production basis—with fewer shut-downs for cleaning.

J & L CXP Benzol is made by an exclusive process giving it a high degree of purity that marks it as one of the outstanding chemical achievements of the day.

You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol. —always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed — Freezing Point 5.30° C — Boiling Range, less than 1° C—Bromine Index 3.

Write us on your letterhead and we shall be glad to send you a free sample of J & L CXP Benzol.

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JONES & LAUGHLIN STEEL CORPORATION

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MAKERS OF HIGH QUALITY IRON AND STEEL PRODUCTS SINCE 1850

NAPHTHENIC ACIDS

• CRUDE, SEMI-REFINED AND FULLY REFINED GRADES AVAILABLE IN VARIOUS ACID NUMBER RANGES

GENERAL PETROLEUM CORPORATION

of California

108 WEST SECOND STREET LOS ANGELES, CALIFORNIA

COAL-TAR NEVILLE PRODUCTS

• **SYNTHETIC RESINS** For adhesives, aluminum paint, chewing gum, paper coatings, floor tile, pipe coatings, paint, varnishes, lacquer, printing ink, rubber compounding, waterproofing.

• **PLASTICIZING OILS** Inert, viscous, high-boiling liquids, practically non-volatile. Unusual chemical resistance. Used in connection with synthetic resins, natural gums, chlorinated rubber, flypaper, adhesives, aluminum paste. Also oils for various uses including wood preservation, shingle stains, and rubber compounding work.

• **SOLVENTS** A complete group of coal-tar solvents—refined, semi-refined and crude. Available in standard distillation ranges, and also special fractions for individual needs. For the coatings industry; soap, textiles, chemicals, and synthetic resins, as well as rubber and ink.

Samples of Neville Products gladly furnished

THE NEVILLE COMPANY

PITTSBURGH, PA.

20

Paint, Varnish, Lacquer Materials

Good Weather Stimulates Paint Sales—Most Raw Materials on Firmer Basis—Copal Gums Advanced—Naval Stores Steady—Dwelling Construction in January-March 86 P.C. Over 1938

Clear, warm weather sharpened the interest in mixed paints last week and this increased activity was reflected in the general market for raw paint materials. Optimism was felt for the trade this year as the demand for most of the raw products felt the buoyancy in the market. All pigments, dry colors, and especially varnish gums were being sold at a better rate last week. Most of the orders were in small-sized lots, but they were of enough quantity to have a stiumulating effect on the market.

Ester gum and casein, both drags on the market for several weeks, gained firmness during the period under review, although no price advances were made. Carbon black, heretofore a sluggish item, was ordered out in much better volume by smaller tire manufacturers. The prices for several types of copal gums were advanced mainly because of the increased interest in offerings.

Changes in rosin and turpentine quotations were generally within narrow limits, the tone of Southern and local markets being steady or firm. Receipts showed some increase, but the movement was still below expectations for this period of the year, and daily offerings in primary centers were light. The export inquiry for rosin was more active. The movement to domestic buyers was on a fair scale, although new business remained quiet.

During the first four months of this year the number of new dwelling units constructed in the thirty-seven Eastern States was 86 percent greater than in the corresponding period last year, and the dollar value of residential contracts was 73 percent ahead of 1938, according to the F. W. Dodge Corporation. The only potential setback to residential construction visible, so far, is the delay in enactment by Congress of new amendments to the national housing act. Forty-four million dollars' worth of private-enterprise rental housing is being held up pending the final enactment of this legislation.

Gum dammar exports from the Netherlands Indies in 1938 totaled 6,940 metric tons compared with 10,613 metric tons the previous year. Gum copal shipments likewise dropped to 10,697 metric tons last year from 13,137 in 1937. The United States was the largest purchaser, taking 28 percent of the total gum exports.

A total of 541,183 short tons of crude gypsum were mined in the United States during the first quarter of this year which was a 19 percent increase over the 453,420 figure recorded during the similar period in 1938. Importation of crude gypsum during the first three months of this year was 537 percent better than during the similar period in 1938, the figures being 40,423 short tons and 6,384 short tons, respectively. Production of calcined gypsum during January-March, 1939, totaled 533,440 short tons against 447,049 in the same period last year.

Metallic Lead and Zinc

The undertone of the market for pig lead took on a slightly firmer tone last week, although weakness on the London Metal Exchange prohibited any possible rise in price. Shipments were about the same as the previous week. The output of refined primary lead from domestic ore in the United States in 1938 amounted to 331,964 short tons valued at $30,541,000, compared with 443,142 tons valued at $52,291,000 in 1937, decreases of 25 percent in tonnage and 42 percent in value, according to the Bureau of Mines. Foreign production rose to 51,705 tons, from 24,175 tons in 1937. Antimonial lead produced at primary smelters totaled 24,123 short tons, containing 6,759 tons of primary domestic lead, 3,385 tons of primary foreign lead, 2,080 tons of domestic and foreign antimony, 11,170 tons of secondary lead, and 729 tons of secondary antimony.

The zinc market continued in routine fashion with the price schedule unchanged. World zinc production in March totaled 155,573 tons against 140,548 tons in the preceding month, according to the American Bureau of Metal Statistics. The Prime Western Producers Committee of the American Zinc Institute reported April sales of zinc for April delivery of 3,266 tons of prime western zinc at a weighted average selling price of $.04501, basis East St. Louis, and April sales for subsequent delivery of 5,542 tons at a weighted average selling price of $.04500, basis East St. Louis. A St. Louis zinc and lead smelting company will discontinue all zinc operations at their plant for an indefinite period, necessitating the laying off of approximately 325 men. Officials stated the action is the result of greatly increased operating costs due to increased cost of labor, fuel, supply and taxes which makes it impossible to compete with low-price metal coming into this country under our tariff rates from Belgium and Mexico.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from May 6 to May 12, inclusive, were as follows:—

	Pigs		Spot. London.		
	Per pound		Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0475@.$480	$0.0460	14	7	6
Monday	.0470@.0480	.0460	14	7	6
Tuesday	.0475@.0480	.0460	14	8	9
Wednesday	.0475@.0480	.0460	14	3	9
Thursday	.0475@.0480	.0460	14	11	3
Friday	.0475@.0480	.0460	14	10	0

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from May 6 to May 12, inclusive, were as follows:—

	Slabs		Spot. London.		
	Per pound		Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0490	$0.0450	13	12	6
Monday	.0490	.0450	13	13	9
Tuesday	.0490	.0450	13	12	6
Wednesday	.0490	.0450	13	14	3
Thursday	.0490	.0450	13	15	0
Friday	.0490	.0450	13	18	9

Pigments

The market for materials in this group continued in healthy fashion last week although no great increases in sales were made. All factors reported that volume of business will be far ahead of last year, which was a poor one.

White Lead.—The dry pigments were being ordered out by consumers at a fair rate although the demand was not considered exceptionally heavy. Lead-in-oil deliveries were slightly better than the preceding week, but here also volume of sales was only fair. The price schedule showed no change from

Price Changes

Prices were changed during the past week as follows:—

Advanced

Amyl acetate, ex fusel oil, 1c. per lb.
Diamyl phthalate, 2c. per lb.
Gum, copal, Loba A, c.l., ½c. per lb.
B, c.l., ⅝c. per lb.
C, c.l., ¾c. per lb.
CNE, c.l., ½c. per lb.
D, c.l., ½c. per lb.
DK, c.l., ½c. per lb.
dust, c.l., ⅜c. per lb.
Singapore, dust, c.l., ¾c. per lb.
spirit-soluble, CBB, c.l., ⅝c. per lb.
DBB, c.l., ⅝c. per lb.
MA, c.l., ¼c. per lb.
MB, c.l., ⅝c. per lb.
WS, c.l., ⅝c. per lb.
Rosin, gum, medium grades, 2½c. to 10c. per 280 lbs.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.7	131.7	131.7	130.4

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

● A background rich in technical knowledge and training, plus the skill of long experience assure the unfailing uniformity of Calco oil colors. In range of colors, this famous line is so complete you can count on this one source for all your shade requirements—an obvious *extra* convenience of Calco service. In addition, expert color matching service is available to you without cost or obligation.

THE CALCO CHEMICAL COMPANY, INC.
BOUND BROOK, NEW JERSEY
A Division of American Cyanamid Co.
Calco
Boston · Philadelphia · Providence · New York · Charlotte · Chicago · Paterson

COLORFUL
Manion Drums are finished in durable high gloss baking enamels.

ACCURATE
They comply in all respects with ICC and other shipping specifications.

SAFE
Hoops are expanded and rerolled. Chimes are made to stand abuse.

INSPECTED
Each drum air-tested before shipment.

CLEAN
Special care guards against contamination during manufacturing.

MANION
STEEL DRUMS

FOR years, steel drums users in the chemical and related industries have turned to Manion for containers to satisfy their most rigid specifications. Manion drums are made of special hot rolled continuous mill sheets whose protective oxide is slow to rust and positively will not flake or smudge.

Careful manufacturing methods and strict inspections insure to users of Manion drums the utmost in cleaniness, safety and dependability.

Your inquiries will receive our prompt attention

MANION STEEL BARREL CO.
OIL CITY, PA.

the level quoted for several weeks prior to the period under review.

Red Lead.—The metallic lead price remained unchanged throughout last week and the car lot and l.c.l. prices also continued without revision. Demand was only fair and most suppliers reported that the aggregate tonnage sold during the week was slightly less than normal, but vastly greater than the similar period last year.

Litharge.—Similar to red lead the market for this pigment continued in routine fashion last week with no change in price. Most orders were limited to small amounts but fairly steady shipments of these small orders kept the undertone of the market in a firm position.

Titanium Pigments.—Demand held fairly well last week with volume of sales reported fair. Based on preliminary statistics, sales this year will show a large increase over 1938 which was a poor year for suppliers of these materials.

Lithopone. — The demand for the high-strength material picked up somewhat last week while the market for the ordinary product continued healthy. Although at no time since the beginning of the year has lithopone been one of the strongest materials in the pigment division, sales have been regular and shipments steady.: No price change was made during the period under review.

Zinc Oxides.—Leaded and lead-free oxides moved into consumption at a good rate although demand slackened somewhat from the previous week. May business to date had been reported healthy and it is expected to be a great deal ahead of the corresponding period last year. No price changes were made, all previously quoted figures remaining firm.

Fillers and Extenders

Producers of inert pigments, fillers and extender products faced a good market again last week despite the fact that the major portion of the orders placed were for l.c.l. amounts.

Barytes.—Producers of the Missouri grade material held the prices that had been in force for several months previously. Volume of sales was reported fair with most of the orders placed calling for small amounts of material. Sellers of the imported product reported that there was a slight pick-up in demand which tended to firm all prices.

Talc. — The market held the small gains it registered two weeks ago with smaller buyers keeping material moving into consumption at a fair rate. The market for talc had been somewhat spotty since the beginning of the year but orders placed during the past two weeks tended to add firmness.

Mica. — A routine market was reported by most producers of this material and general business conditions were reported fair. There has been no change of price for several months, the quoted figure being firm.

Putty.—A good volume of sales during the period under review kept the market for this material in a healthy position last week, with demand slightly better than two weeks ago. The quoted price continued unchanged.

Varnish Gums

The pick-up in the market reported by producers two weeks ago continued last week as increased number of orders for immediate delivery were placed. Copal gums were particularly strong, with many price advances made.

Copals.—Price increases for car lots with the new schedules were as follows—Singapore Manila dust, advanced 3/8c. per pound to 5½c. Loba A advanced ½c. per pound to 11c; B increased 5/8c. to 10¾c. per pound; C increased ¾c. per pound to 10⅜c.; D up ½c. per pound to 8⅞c. CNE advanced ½c. per pound to 6½c; DK increased 3/8c. to 6¼c. per pound; Loba dust advanced 3/8c. per pound to 5½c.; CBB increased 3/8c. per pound to 8½c.; DBB up 3/8c. per pound to 8¼c.; MA advanced ¼c. per pound to 6⅜c.; MB increased 3/8c. per pound to 6c., and WS advanced 3/8c. to 8¼c. per pound. Suppliers reported that demand was a great deal better during the period under review than it had been for several previous months.

Dammars.—The market for this type of gum also felt a heavier demand last week, which reflected the general improvement noted for all types of materials in this division. All prices, however, continued at the quoted levels without revision.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Synthetic Resins

The undertone of the market for ester gum became slightly firmer last week due to a pick-up in demand. Deliveries against contracts and open order business both showed improvements which were sorely needed to help bolster a market that had been weak for several previous weeks. Although shipments were not heavy, they were in sufficient volume to indicate a much better interest in offerings. All prices continued at the previously quoted levels, and they gained a slight firmness.

Dry Colors

The undertone of the market for chemical and earth colors during the period under review was fairly firm, although no increases were registered in the volume of sales. Favorable weather conditions were a large factor in holding the market to a steady position.

Carbon Black. — Demand during the past week made noticeable gains as far as the domestic trade was concerned. Producers reported that tire manufacturers ordered out material in much better volume than had been noticed for several previous weeks. Most of the orders came from the smaller tire makers, who apparently have made great strides in increasing production this year, compared to the comparatively small gains registered by the four big manufacturers. The export trade for this black, which showed a stronger demand three weeks ago, continued to be good, with shipments holding to the level of last week. Despite the improvement in trade, producers refused to predict a possible price advance within the near future.

Chrome Yellow:—Orders against contracts were sluggish last week, although there was a slightly better demand for open order deliveries. Suppliers were experiencing a much better volume of sales this year to date compared with 1938. The price that had been in force for some time previously continued at the same level during the period under review.

Green Chrome Oxide.—Demand held about even last week with no heavier shipments reported than for two weeks ago. The price was in a firm position and remained unchanged.

Iron Oxides.—The demand for natural and synthetic oxides held the small increases it registered two weeks ago. Orders were mostly for small-sized lots, but they were in enough quantity to give the market a fairly healthy undertone. Pricewise there was no change.

Mercuric Oxide.—Ordering fell off slightly last week, but this did not effect the market to a great extent because of the good demand suppliers had felt during the latter part of April and the early days of this month. The price for the technical red material continued at $1.56 per pound.

Sienna.—The chief feature of the market continued to be the open-door demand for small-sized lots of material. Larger buyers had been inactive in the market for several weeks. No price change was reported.

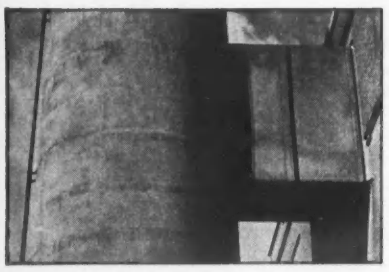
Driers

Stearate and palmitate prices continued steady and firm at the levels that have been in force for some time. Small-sized orders for immediate delivery gave a steadying tone to the market last week although business had been reported fairly good since about

Informative QUIZ for PAINT CHEMISTS

Q What paint provides unusually long-lasting protection for hot stacks, or for any hot metal surfaces — galvanized or black iron—indoors or out?

A Zinc Dust paint formulated with 80% "Standard" Zinc Dust and 20% "XX" Zinc Oxide in the proper vehicle. This paint is unusually adherent to galvanized iron because of a natural "zinc-to-zinc" affinity between the Zinc Dust and the zinc coating of the galvanized iron. On black iron under elevated temperatures the paint practically fuses to the surface—a reaction similar to "sherardizing" probably taking place. It is very durable on exposure outdoors . . . can be tinted to a wide range of attractive colors.



Painted with the 80-20 Zinc Dust-Zinc Oxide paint mentioned above, this steamplant flue box already has been serving outdoors under severe heat conditions for nearly 2 years. The excellent condition of this paint is a promise of further long service.

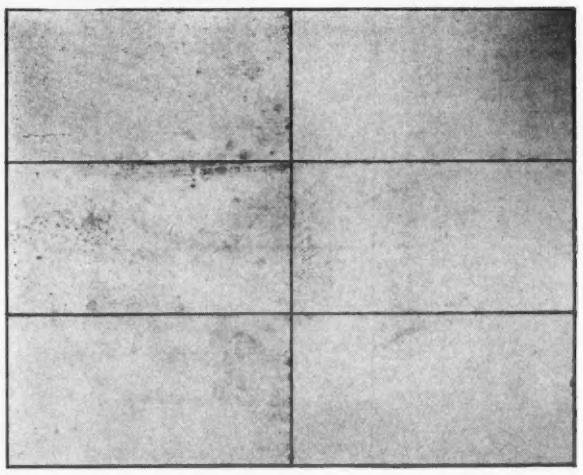
Q How can the non-yellowing property of an enamel be improved?

A Experience has shown that if either a Horse Head, Florence, or Kadox Brand Zinc Oxide is included in the pigment formulation, in ratios of from 5% up to the limit of the hiding power requirements of the enamel, "yellowing" is very substantially reduced.

Q How can the mildewing of interior mill glosses be retarded or eliminated?

A By including a Horse Head, Florence, or Kadox Brand Zinc Oxide in the formula. These Zinc Oxides tend to retard mildewing both because of their fungicidal properties and because they tend to harden the paint film sufficiently so that it resists the attack of mildew.

WITHOUT ZINC OXIDE WITH ZINC OXIDE



Panels at far left illustrate how enamels containing no Zinc Oxide and made up in a mill gloss vehicle mildew on exposure to high temperature and high humidity. Panels at near left are the same paints to which substantial proportions of XX-50 Zinc Oxide have been added. Note the reduction or elimination of mildewing by the inclusion of Zinc Oxide in the formulation.

All of the paint formulation questions which The New Jersey Zinc Company's complete line of Zinc Pigments has answered would fill volumes—and new ones are constantly being answered. Whether the answers to your problems are already "in the books" or not, we will welcome an opportunity to collaborate with you—our facilities are always at your disposal.

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160 FRONT ST. NEW YORK

the middle of last month. Inventories were not large for most of the materials in this division and several producers reported a good interest on the part of buyers for future delivery. No prices were changed during the period under review.

Naval Stores

A generally steady or firm tone continued to prevail in primary markets for rosin and turpentine last week, with price movements narrow and general conditions much the same as in the previous week. There were reports, however, of some increase in export business in rosin, mainly for Japanese account, though European buyers were also said to have made purchases in a limited way.

Domestic trade was still along conservative lines so far as new business was concerned, and, according to some in the trade, no change in the attitude of buyers seems likely to be witnessed until actual payments of loans to producers are made by the government. The unexpected delay in making payments was said to account in some measure for the quietness of domestic trade, although others regarded the unfavorable political situation abroad as the chief obstacle in the way of business expansion.

Weather conditions in parts of the South were more favorable for operations in the woods, and shipments from the interior to the primary markets showed some increase. The movement thus far this season has not expanded in the way that had been expected, however, and in some quarters a tendency was noticeable to revise crop estimates downward.

Exports of gum rosin during March, according to official statistics, were 56,959 barrels; wood, 24,682 barrels. Gum turpentine, 731,521 gallons; wood, 123,073 gallons. Tar and pitch of wood, 1,026,915 pounds. Pine oil, 116,021 gallons. Other gums and resins, 545,266 pounds.

According to consular advices from Bordeaux, the domestic demand for turpentine and rosin in France during March was small and the export market for both products was likewise quiet. Seasonal work was carried on in the pine forests throughout the month, but the weather as a whole was less favorable to the flow of crude gum than it was last year at the same time. Temperatures were consistently lower than usual. The problem of securing sufficient skilled labor for the naval stores industry, especially in the forests, is still giving concern to the operators.

Turpentine.—Business in the local market continued along narrow lines last week, purchasing still being limited, as a rule, to small lots, with the movement of such quantities reported in some quarters as fair. Prices moved in company with Southern markets, changes from day to day being narrow.

SAVANNAH, May 12.—A steady tone continued to prevail in the market for turpentine. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	24¼	143	338	1,065	33,352
Tuesday	24¾	101	241	50	33,643
Wednesday	24¼	132	184	120	33,707
Thursday	24¼	36	202	68	33,841
Friday	24¼	21	153	1	33,993

* No trading.

JACKSONVILLE, May 12.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	24¼	69	263	...	44,972
Tuesday	24	...	174	...	45,146
Wednesday	24¼	50	102	1	45,247
Thursday	24¼	...	80	...	45,327
Friday	24¼	30	163	...	45,490

* No trading.

PENSACOLA, May 6.—The turpentine market was quiet. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	39	162	27,166
Tuesday	157	550	26,773
Wednesday	45	131	26,687
Thursday	85	...	26,772
Friday	80	19	26,833
Saturday	7	162	26,678

CHICAGO, May 12.—Tone of turpentine market is quite firm and general feeling is healthy. Ruling prices at the close of business last night were:—Five-drum lots, 32c. per gallon; five wood barrels, 37c.; singe drums, 35c.; single barrels, 40c.

LONDON, May 12.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	35	0
Monday	35	0
Tuesday	35	0
Wednesday	34	0
Thursday	34	0
Friday	34	0

Stocks of American turpentine in London were:—

	May 12.	Previous week.	Last year.
Barrels	17,700	19,462	22,972

Rosin.—No broadening of business was noted locally, many consumers still being disposed to limit their purchases to comparatively small quantities to fill current needs. The market had a steady or firm tone, price movements being narrow in company with the course of quotations in Southern centers where offerings remained light.

SAVANNAH, May 12.—Changes in rosin quotations were generally moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.30	$3.30	$3.30	$3.30	$3.30
D	...	3.60	3.60	3.60	3.60	3.60
E	...	3.85	3.85	3.85	3.85	3.85
F	...	4.10	4.10	4.10	4.15	4.15
G	...	4.75	4.77½	4.80	4.80	4.80
H	...	4.95	4.95	4.95	4.95	4.95
I	...	4.95	4.95	4.95	4.95	4.95
K	...	4.95	4.95	5.00	5.00	5.00
M	...	5.00	5.00	5.05	5.05	5.05
N	...	5.30	5.30	5.30	5.30	5.30
WG	...	5.80	5.85	5.85	5.85	5.85
WW	...	6.40	6.40	6.40	6.40	6.40
X	...	6.40	6.40	6.40	6.40	6.40
Barrels						
Sales	...	281	309	20	307	...
Receipts	...	1,217	802	811	816	576
Shipments	...	1,321	216	47	1,349	116
Stocks:—	...	279,933	280,519	281,283	280,750	281,210

* No trading.

JACKSONVILLE, May 12.—The rosin market was quiet, with the tone firm. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.20	$3.20	$3.20	$3.20	$3.20
D	...	3.50	3.50	3.50	3.50	3.50
E	...	3.85	3.85	3.85	3.85	3.85
F	...	4.10	4.10	4.10	4.10	4.10
G	...	4.75	4.75	4.75	4.80	4.80
H	...	4.95	4.95	4.95	4.95	4.95
I	...	4.95	4.95	4.95	4.95	4.95
K	...	4.95	4.95	4.95	4.95	4.95
M	...	5.00	5.00	5.00	5.05	5.05
N	...	5.30	5.30	5.30	5.35	5.35
WG	...	5.85	5.80	5.80	5.80	5.80
WW	...	6.40	6.40	6.40	6.40	6.40
X	...	6.40	6.40	6.40	6.40	6.40
Barrels						
Sales	...	66	...	...	64	...
Receipts	...	1,171	1,402	767	1,451	972
Shipments	...	25	125	180	1,148	80
Stocks:—	...	272,918	274,195	274,782	275,090	275,982

* No trading.

PENSACOLA, May 5.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	189	434	146	171	540	41
Shipments	811	...	560	2	100	...
Stocks	62,965	63,399	62,985	63,154	63,394	63,435

CHICAGO, May 12.—Rosin is more active and the general outlook appears to be healthier than in some time. Ruling prices at the close of business last night were:—B grade, $6.30 per lot of 280 pounds; G grade, $7.77½; M grade, $8; W.W. grade, $9.40.

LONDON, May 12.—Quotations on American rosin were as follows:—

	Per cwt in barrels— Common. s.	d.	W.W. s.	d.
Saturday	14	10½	19	3
Monday	14	10½	19	3
Tuesday	14	10½	19	3
Wednesday	14	10½	19	3
Thursday	14	10½	19	3
Friday	14	10½	19	3

Pine Oil.—Business was apparently of the same conservative character noted in recent preceding weeks, consumers still being disinclined to anticipate. The market retained a steady tone.

Pitch.—Quotations were generally held at former levels, and the tone of the market appeared to be firm. There was no snap to business here, but a fair inquiry was noted.

Rosin Oil.—The market retained a steady tone, quotations being held at previous levels. Purchasing was apparently limited to comparatively small or moderate lots, the movement of such quantities being fair.

Tar.—A steady tone prevailed and general conditions remained about as noted in the previous week, with many consumers disposed to adhere to a conservative course in making purchases.

Shellac

Foreign shellac markets held reasonably steady much of the time last week. Calcutta lacked quotable change, while London rose moderately and then reacted a trifle. Trading in the May position ceased in London on May 9 and on that date the October position was opened. Trade in the local shellac market was moderate during the period under review but on the whole it was

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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well in line with the movement to consumers recently. Prices on the open market were lacking in quotable change but it was intimated that values had occasionally been shaded in private term transactions. Stocks were ample to cover any reasonable expansion in consumer requirements.

Calcutta, May 12.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound—	
	May 12.	May 5.
May	9⅜c.	9⅜c.

Day-to-day quotations were as follows:—

	Per pound.
May 5	9⅜c.
*May 6	.....
May 8	9⅜c.
May 9	9⅜c.
May 10	9⅜c.
May 11	9⅜c.
May 12	9⅜c.

* No cables.

London, May 12.—Prices quoted on London standard T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	May 12		May 5	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
August	37½	8.17	37¾	8.23
October	38½	8.37	..	....

Day-to-day closing prices were as follows:—

	Per hundredweight—					
	May.		August.		October.	
May 5	35s	9d	37s	9d	...	..
*May 6	...	..	...	..	...	..
May 8	36s	3d	38s	3d	...	..
May 9	...	..	38s	6d	39s	6d
May 10	...	..	38s	3d	39s	..
May 11	...	..	38s	3d	39s	..
May 12	...	..	37s	6d	38s	6d

* No cables.

Lacquer Materials

Strength in amyl products featured the price movements in the market for lacquer materials and solvents last week. Quotations for amyl acetate, ex fusel oil, were advanced one cent, the change was not entirely unexpected since the market was considered firm for some weeks. The change did not extend to the ex pentane material. Diamyl phthalate was sharply higher in sympathy with the acetate. There were no other changes, and the tone of the market remained generally steady to firm. While volume of business was not considered too good, most factors reported a steady demand for moderate quantities, with indications that the trend would be along the same lines for the next several weeks, at least. Automobile assemblies, which only a few weeks ago set a new peak for the year, showed signs of leveling off.

Acetone.—Shipments in drums and tanks continued to move at a moderately active pace to major consuming channels last week. No new price developments were uncovered. March exports aggregated 1,310,970 pounds, valued at $85,561, of which Japan, the United Kingdom, the Netherlands and Belgium supplied the largest market.

Amyl Acetate.—Quotations for amyl acetate, ex fusel oil, were advanced 1c. per pound, making 90/95 percent technical grade in car lots, drums, delivered, 11½c. per pound; less car lots, same basis, 12c. per pound and tanks 10½c. per pound. The position of the market was firm for some time and the advance was not entirely unexpected. The ex pentane material was not changed. March exports totaled 8,215 pounds, valued at $931, of which 4,290 pounds went to the Union of South Africa and 2,376 pounds to Sweden.

Butyl Acetate. — Consumers were making their appearance quite steadily last week. While volume was not showing any expansion, business remained on a satisfactory basis. Prices were unchanged. March exports amounted to 352,182 pounds, valued at $28,477, of which 164,003 pounds went to Canada and 103,110 pounds to Australia.

Diamyl Phthalate.—In sympathy with the general strength in amyl products, quotations were advanced 2c. per pound, making car lots, drums, delivered, 21c. per pound; less car lots, same basis, 21½c. per pound, and tanks, 20c. per pound. Business was reported as generally satisfactory.

Glues and Binders

Casein.—Most sellers reported a bit more interest in offerings last week, although no great increases in sales were registered. A true picture of the actual status of the market for this material was hard to obtain due to conflicting reports from producers. Some factors reported a good demand and good sales volume, while others continued to advise that business had been sluggish for several months. All suppliers, however, reported that both demand and inquiries for future delivery were better last week.

Glues.—Sales of these materials continued at a fairly good pace last week with many sellers predicting an increased demand later this month. All prices continued at the quoted levels.

N. Y. Paint Club Elects M. J. Merkin President

—Continued from page 5

Litter, J. A. Lundy, E. D. Murphy, H. R. Prior, W. A. Robertson, G. A. Wharry.

Alternates, W. S. Auchincloss, Louis C. Bohs, Maurice W. Butler, Ivan L. Darling, Joseph P. Fleming, C. W. Griffin, C. F. Guignon, E. E. Hoffman, R. L. Hutchins, G. A. Melven, W. A. Patterson, John McE. Sanderson, John Sellon, Casper Smith, Thomas J. Starkie, E. M. Toby, jr., A. J. Wittenberg.

Thurlow J. Campbell, of Valentine & Co., the out-going president, expressed his appreciation for the support of the membership accorded him during his administration and called on former presidents, Henry G. Sidford, of the National Lead Company, and James Wolf of the Standard Varnish Works to stand with Mr. Merkin at his inauguration. A telegram of congratulations to Mr. Merkin on his election from Marshall L. Havey, of the New Jersey Zinc Company, was read.

Following the election, Mr. Hendrikson gave his report as treasurer of the association. Louis J. Gillespie, secretary-elect, reported that the annual outing of the association would be held June 8 at the Hempstead Golf Club, Hempstead, Long Island. Following the meeting a floor show of unusual variety and interest was presented.

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Clay Sales Decline 35 Percent in 1938

In 1938 the output of merchant clay totaled 2,901,713 short tons, valued at $13,483,441. This compared with a record high output in 1937 of 4,463,551 short tons, valued at $18,004,158. Imports declined to 113,059 tons in 1938 from 205,304 tons in 1937. Exports in 1938 also receded to 132,147 tons from 168,810 tons in 1937. Clay sold by producers in the United States for 1938 and 1937 follows:—

Clay Production in U. S.

	Short tons	
Domestic—	1938.	1937.
Kaolin, china clay	595,054	732,282
Ball clay	94,968	121,470
Fireclay, stoneware clay	1,458,941	2,785,344
Bentonite	192,183	194,768
Fuller's earth	170,852	226,165
Miscellaneous clays	389,715	403,522
Totals	2,901,713	4,463,551
Imports—		
Kaolin, china clay	84,180	146,523
Common blue, gross almerode	20,404	38,549
Fuller's earth	1,507	2,286
Other clays	6,968	17,946
Totals	113,059	205,304
Exports—		
Fireclay	55,764	77,330
Other clay	76,383	91,480
Totals	132,147	168,810

Consumption by Industries

Ball Clay

	Short tons	
	1938.	1937.
Architectural terra cotta	935	5,027
Enameling	725	227
Kiln furniture	132	357
Linoleum	500	.....
Paints	436	626
Paper	.....	2,148
Pottery-stoneware	75,842	89,922
Refractories	358	446
Tile	16,005	22,675
Miscellaneous	35	42
Totals	94,968	121,470

Bentonite

	Short tons	
	1938.	1937.
Cement manufacture	676	1,255
Filtering and decolorizing oils	90,028	83,941
Refractories	32,627	56,970
Rotary-drilling mud	47,093	37,210
Miscellaneous	21,759	15,392
Totals	192,183	194,768

Fireclay and Stoneware Clay

	Short tons	
	1938.	1937.
Abrasives, artificial	611	1,055
Architectural terra cotta	13,303	8,566
Asbestos	844	1,254
Cement manufacture	1,666	2,322
Heavy clay products	123,300	131,226
Kiln furniture	36,046	48,969
Linoleum	6,611	8,179
Paints	1,461	1,270
Paper	1,621	716
Pottery-stoneware	49,555	26,105
Plaster, plaster products	634	958
Miscellaneous	8,973	51,544
Tile	3,033	4,433
Totals	1,458,941	2,785,344

Fuller's Earth

	Short tons	
	1938.	1937.
Mineral oils	150,062	200,705
Vegetable oils and animal fats	12,214	20,404
Miscellaneous	8,576	5,056
Totals	170,852	226,165

Miscellaneous Clays

	Short tons	
	1938.	1937.
Architectural terra cotta	890	1,179
Cement manufacture	30,660	31,529
Enameling	.....	198
Heavy Clay products	188,792	140,626
Paints	353	429
Plaster, plaster products	.....	198
Pottery-stoneware	7,243	3,378
Refractories	11,271	38,523
Miscellaneous	150,469	40,641
Totals	389,715	403,522

Magic City Paint Changes Name to Alabama Paint Co.

Birmingham, Ala., May 10, 1939

The Magic City Paint & Varnish Company, manufacturing concern of Birmingham, recently reorganized under section 77B, has changed its name to the Alabama Paint Company. In the reorganization J. M. Warren, jr., head of the Warren Paint & Color Works, Nashville, Tenn., came into the organization as a vice-president and stockholder. John Cleage, jr., as president and treasurer, will continue as directing head as in the past. William E. Hood is secretary and Arthur H. Staggs, assistant secretary and assistant treasurer. The Magic City concern has operated here for fifteen years or more, being formerly known as the Benson Paint & Varnish Company.

Portland Paint Club Marks Twenty-fifth Anniversary

The Portland Paint, Varnish and Lacquer Association observed its twenty-fifth anniversary May 12. On the program was golfing, bridge for the ladies, motor trips on the Columbia river highway, and dinner, entertainment and dancing in the evening at the Aero Club. Herb Miller is president of the association.

O'Donohoe to Succeed Straub As Produce Exchange Head

James J. O'Donohoe, of O'Donohoe Quain & Co., has been nominated for election as president of the New York Produce Exchange for the ensuing year. He will succeed Robert F. Straub, of the Bunge North American Grain Company. Nominated with Mr. O'Donohoe were Laurel Duval, chief of the grain inspection department of the exchange, for re-election as vice-president; and Clifford B. Merritt, of Bowring & Co., for re-election as treasurer. Nominated for two-year memberships on the board of managers were: C. B. Crofton, H. L. Bache, M. Cohen, A. Hansen, W. H. Hine, and H. K. Moore.

N.Y. Production Club Studies Lacquer Formulas

Joseph Sherk, research chemist for the Dow Chemical Company, Midland, Mich., was the principal speaker at the May meeting of the New York Paint and Varnish Production Club, held in the Building Trades Employers Association, this city, May 11.

Mr. Sherk spoke on "Ethyl Cellulose Lacquers" and described by means of trilinear charts the formulation of ethyl cellulose lacquers to obtain maximum print resistance, adherence, cold check resistance, and flexibility.

Specific combinations of plasticizer, resin and ethyl cellulose resulted in a lacquer that was capable of passing a print resistance test, Mr. Sherk pointed out. Other combinations were able to pass flexibility tests, while still others passed the cold check test. Lines of demarcation were drawn on the chart to represent the various combinations. According to the speaker, where these lines crossed to give a common area, you had a lacquer that could pass one or more of the tests. In this way, Mr. Sherk concluded, the Dow company was able to produce lacquers formulated to comply with specific requirements.

Carlton H. Rose, of the National Lead Company, was elected the new president of the club. He was formerly vice-president. Other officers elected were:—Vice-president, Preston Dunning, Colonial Paint Works, former secretary; secretary, Carl M. Frey, of Devoe and Raynolds Company; and treasurer, C. R. Bragdon, of the Interchemical Corporation.

New members elected to the club at the meeting were:—G. S. Kahan, chemist, Flood & Conklin Manufacturing Company, Newark; Herbert C. Hillman, of Eagle Paint & Varnish Works, Brooklyn; I. Wetchler and M. Bauman, of the Camel Lead, Color & Pigment Company, Brooklyn; E. J. Dunn, of the National Lead Company, Brooklyn; Roger Higgons, of Benjamin Moore & Company, Newark; and Donald A. Smith, of Fredrick H. Levey Company, Brooklyn.

W. Arthur Weismann of Strook & Wittenberg Corporation, this city, became a father for the second time on May 10. The seven pound daughter and Mrs. Weismann are doing well.

Quartz, Silica Output Off

Production of quartz in 1938 amounted to 18,611 short tons, valued at $88,197, compared with 13,012 tons, valued at $66,041 in 1937, according to the Bureau of Mines. The output of ground sand and sandstone totaled 237,167 short tons valued at $1,425,445 compared with 328,156 tons valued at $1,996,528 in 1937. The amount of industrial glass sand produced in the United States in 1938 was 2,054,000 short tons valued at $3,474,000, compared with 2,799,230 short tons valued at $4,746,629 produced in 1937. Molding sand output reached 2,187,000 short tons valued at $2,509,000 in 1938, compared with 4,953,873 tons valued at $5,239,435 in 1937. A breakdown of ground sand and sandstone sold by producers in United States follows:—

	1938	
	Short tons.	Total.
Glass	7,306	$38,097
Foundry	22,413	134,158
Pottery, porcelain, and tile	93,790	631,592
Enamel	10,784	63,360
Cleansing and scouring compound	62,489	308,926
Other abrasive use	543	5,933
Filler	8,878	43,741
Other	31,014	199,638
Total reported by uses	237,167	1,425,445

Baltimore Production Club Hears Benjamin King

Baltimore, May 10, 1939

Benjamin King, of MacBeth Daylighting Corporation was the principal speaker at the May meeting of the Baltimore Paint and Varnish Production Club. Mr. King pointed out the importance of cooperation of the paint manufacturing industry in the modern trend toward bright-lighting in plants, factories and dwellings.

Members present at the meeting approved the appointment of twenty delegates to the national federation, and it was voted to cooperate with the Federation's publicity committee and report to it all activities of the local organization. The Hudson Valley Paint Club was admitted to membership by a unanimous vote. The meeting was brought to a close with a discussion of the plans for the outing to be held in June.

Cincinnati Paint Club to Hear Krumbhaar Discuss Resins

The Cincinnati Paint, Varnish and Lacquer Association will be addressed May 16 by Dr. William Krumbhaar, vice-president of Reichhold Chemicals. Inc., Detroit. Dr. Kraumbhaar will discuss "The How and Why of Resins," and will illustrate his talk with the Reichhold film on "Resins." The meeting will be held in the Cincinnati Club, starting at 6:15 p. m.

DuPont Paint Fences Total 60,000 Panels

The number of paint panels used on "exposure farms" in Delaware, Florida, and Texas has been increased in the last five years from approximately 30,000 to about 60,000, it was stated by E. I. du Pont de Nemours & Co. Exposure tests in all kinds of weather throughout the year are now conducted on every shade of paint, whereas prior to 1934 tests were made only on a limited number of shades typifying each group.

SICO

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Shawnee DRY COLORS
Color Content Guaranteed

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents
In Principal Cities
Distillers of Coal Tar Products

ARO-LINE SYNTHETICS
PROGRESS THROUGH WELL-DIRECTED RESEARCH

S&W RESINS
Synthetic Natural

S & W NATURALS

THE COMPLETE RESIN LINE

1 "S & W" ESTER GUM—*all types*
2 "AROLITE"—*modified phenolics and other condensates*
3 "AROFENE"—*pure phenolics*
4 "AROFLEX"—*alkyds*
5 "ARODURE"—*urea-alkyds*
6 "S & W" NATURAL RESINS—*all standard gradings • Damars • Kauris Congos (imported and processed) • Manilas • Accroides • Elemi • Sandarac*

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Lincoln Building, 60 East 42nd St., New York, N. Y.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Six-hundred-forty-five Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

1-Amino-5-benzoylamino-anthraquinone

Dye

Reactant in—
Dye syntheses
Starting point (Brit. 480745) in making—
Brown dyestuffs (tribenzoylaminotrianthrimide carbazoles) with 4:5-dihalogen-1-benzoylaminoanthraquinones

Benzyl Butyltartrate

Cellulose Products

Softener (U.S. 1984283) for—
Cellulose esters and ethers

Ceramic

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Softener (U.S. 1984283) for—
Cellulose esters and ethers

Electrical

Softener (U.S. 1984283) in—
Insulating compositions, containing cellulose esters or ethers, used for covering wire or in making electrical machinery and equipment

Glass

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Glue and Adhesives

Softener (U.S. 1984283) in—
Adhesive compositions containing cellulose esters or ethers

Leather

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods

Metal Fabricating

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers used as coating for protecting and decorating metallic articles

Miscellaneous

Softener (U.S. 1984283) in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Softener (U.S. 1984283) in—
Paints, varnishes, lacquers, enamels and dopes containing cellulose esters or ethers

Paper

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic

Softener (U.S. 1984283) in making—
Films from cellulose esters or ethers

Plastics

Softener (U.S. 1984283) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose esters or ethers

Resins

Softener (U.S. 1984283) in—
Artificial resins made from or containing cellulose esters or ethers

Rubber

Softener (U.S. 1984283) in—
Coating compositions, containing cellulose esters or ethers, used for protecting and decorating rubber goods

Stone

Softener (U.S. 1984283) in—
Coating compositions, containing cellulose esters or ethers, used for decorating and protecting artificial and natural stone

Textile

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Softener (U.S. 1984283) in—
Compositions, containing cellulose esters or ethers, used as protective and decorating coatings on woodwork

Bis-(betathiocyanoeth-oxyethyl) Sebacate

Insecticide

Starting point (Brit. 478604) in making—
Insecticides and plant fungicides usable in sprays, dusting powders, or emulsions

Copper Sulphocyanide

(Copper Rhodanate, Copper Rhodanide, Copper Sulphocyanate, Copper Thiocyanate, Copper Thiocyanide, Kupferrhodanuer, Kupfersulfocyanat, Kupfersulfocyanur, Kupferthiocyanat, Rhodansaureskupfer, Rhodanure de Cuivre, Rhodanure Cuivrique, Schwefelcyankupfer, Schwefelzyankupfer, Solfocianato di Rame, Sulfocianato de Cobre, Sulfocyanate de Cuivre, Sulfocyanale Cuivrique, Sulfocyansaureskupfer, Sulfocyanure de Cuivre, Sulfocyanure Cuivrique, Thiocianato de Cobre, Thiocianato di Rame, Thiocyanate de Cuivre, Thiocyanate Cuivrique, Thiocyansaureskupfer)

Analysis

Reagent in—
Analytical processes involving control and research in science and industry

Chemical

Source of sulphocyanide radical in making—
Synthetic aromatics, pharmaceuticals, and other organic chemicals
Starting point in making—
Hydrocyanic acid gas

Dye

Source of sulphocyanide radical in making—
Synthetic dyestuffs

Explosives

Ingredient of—
Detonators
Explosives of various sorts
Matchhead compositions
Primers
Pyrotechnics

Metallurgical

Ingredient of—
Brassplating electrolytes

Miscellaneous

Ingredient of—
Sympathetic color (U.S. 1402442)

Paint and Varnish

Ingredient of—
Antifouling paints for shipbottoms (usually in admixture with arsenic trioxide, a mercury salt, and other ingredients)

Textile

Reagent in—
Printing cotton goods with anilin black

Diethylamine Chloride

Building Construction

Fluidity promoter (Brit. 458266) for—
Cement and concrete mixes

Dimethyl Peroxide

Fuel

Activating agent (Brit. 443562) for—
Diesel motor fuels

Dimethylphthalocyanin Sulphonate

Chemical

Green pigment (Brit. 480249) in making—
Color lakes

Paint and Varnish

Pigment claimed to be greener than metalliferous phtholocyanins (Brit. 480249)

Paper

Green pigment (Brit. 480249) for—
Wallpaper

Printing

Green pigment (Brit. 480249) for—
Color prints

Rubber

Green pigment (Brit. 480249) for—
Rubber batches

Ethylene Thiocyanate

Paper

Inhibitor (Brit. 466877) of—
Deterioration of paper through the action of light or during storage

Ethylvanillin

Cosmetic

Odorant in—
Cosmetics Perfumes

Food

Flavoring agent having—
Vanillin-like flavor
More pronounced aroma than vanillin
More pronounced flavor than vanillin (the relative flavoring strength is said to be approximately three times that of vanillin)
Flavoring agent in making—
Cakes and other bakery products
Chocolate, candies and confections
Desserts
Food flavors
Ice cream

Pharmaceutical

Flavoring for—
Medicinal preparations

Soft Drinks

Flavoring for—
Beverages Syrups
Ingredient of—
Flavoring preparations

Spirituous Beverages

Flavoring in making—
Cordials Liqueurs

Gammathiocyanopropyl-phenyl Ether

Insecticide

Suggested for use as insecticide

4-Hydroxy-4-methyldi-chlor-2-pentanone

Insecticide

Suggested for use as—
Insecticide

2-Imino-4-ketotetrahy-drothiazole

Insecticide

Suggested for use as insecticide

Peanut Oil Fatty Acids, Hardened, Chlorides

Chemical

Starting point (Brit. 453778) in making—
Emulsifying agents by sulphonating the products of its reaction with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

Lubricant

Starting point (Brit. 453778) in making—
Lubricants with benzene, toluene, xylene, diphenyl, phenanthrene, naphthalene, or tetrahydronaphthalene

Propyl Tartrate

Chemical

Reactant in—
Organic syntheses

Food

Volatility reducing agent (Brit. 435272) for—
Flavoring agents used in food preparations, such as jellies, jams, puddings, desserts, preserves, and the like

Stearyldiethylaminoethyl-aminoanilide Hydro-chloride

Pharmaceutical

Suggested thickener for—
Medicinal oils

Tetrasodium Pyrophos-phate, Anhydrous

Soap

Builder added for—
Doubling amounts of suds
Eliminating lime curd rings seen as after-effects in laundry tubs, wash basins, sinks, bathtubs
Eliminating gray after-effects in domestic washing of clothes
Eliminating soaplike after-odor on products
Eliminating masking after-effects on products
Obtaining low alkalinity
Prolonging life, or physical state of suds
Promoting cleansing action
Promoting water-softening action of soaps
Producing quick, rich lathering properties
Reducing caustic effect of soaps on hands ("dishpan hands")
Detergent, emulsifier, and water-softener in—
Cleaning compounds
Dairy-cleaning soaps and compounds
Dishwashing soaps and compounds
Laundry soaps and compounds
Metal-cleansing soaps and compounds
Paint-cleansing soaps and compounds
Scouring soaps and compounds
Soaps
Soap powders
Textile-cleansing soaps and compounds

Trilorolpyridinium Phosphate

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, die-making lubricants, boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

Oils, Fats, and Waxes

Cottonseed Oil Futures Continue to Move Within Small Limits —Copra and Coconut Oil Firm — Chinawood Oil Less Active—Perilla Firmer—General Market Quiet

Miscellaneous oils, fats and greases remained quiet last week, the absence of any material change in the political situation abroad making consumers disposed to adhere to a hand-to-mouth policy in purchasing operations. A continuation of narrow price movements in the markets for lard and cottonseed oil futures also had a tendency to militate against any expansion in business in other fats and greases. With offerings generally light, the prevailing tone was steady.

Chinawood oil was quieter, buyers being inclined to hold off for further developments abroad. Offerings continued light and price changes here were narrow. Coconut oil was quiet, but the market remained firm, influenced by reports of a stronger primary situation. Oiticica oil was firm at recently advanced levels. Soybeans were stronger in the West.

Lard, neatsfoot, oleo and tallow oils were steady, quotations being maintained at previous levels by refiners. Variations in cash lard prices were moderate in company with the course of futures in the West, where speculative operations were rather quiet. Quotations on refined fish oils were stationary. Tallow and greases ruled steady.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Perilla oil, ¼c. per lb.
Wax, carnauba, No. 3, chalky, 1c. per lb.
No. 3, N.C., ¾c. per lb.
No. 1, yellow, 2¼c. per lb.
No. 2, yellow, 2¼c. per lb.

Reduced

Lard, Western, 10c. per 100 lbs.
Linseed cake, $1.50 per ton
Linseed meal, $1.50 per ton

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.4	99.4	98.7	110.4

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—Domestic markets were less active last week, the recent rather sharp advance in prices making consumers disposed to hold off and await further developments. At one time, however, prices here and on the Coast were slightly higher than in the previous week as the primary situation remained strong with offerings from abroad still reported as very light. Later in the week the tone here appeared to be somewhat easier. There was no material increase in offerings, but reports were current to the effect that business had been closed at 17c. per pound in tankcars, though higher prices continued to be named in some quarters.

Coconut. — The domestic situation continued to be featured by a firm tone, this being a reflection of conditions existing abroad where both copra and coconut oil were reported to be very firm, with European interests still good buyers of the former commodity. In the local market business in crude and refined oil was quiet.

SAN FRANCISCO, May 9.—Crude coconut oil is quoted here on the basis of 2⅞c. to 3c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with trade moderately active. Copra was firm and sellers were not inclined to push the situation. Buyers here have apparently not been able to get business under way at anything below a level of 1.85c. per pound, c.i.f. Pacific Coast ports. It is a sellers' market. Some supplies are standing firm at a level of 1.875c., it is understood.

Corn.—Quotations on crude oil were generally stationary during the week, the tone of the market apparently still being firm, although there was little to record in the way of activity as offerings continued light throughout the week. Refined oil was quiet and steady.

Cottonseed.—Edible oil was steady, selling schedules being maintained at former levels by refiners. Business lacked snap, but the inquiry was reported as somewhat better.

Oiticica.—A firm tone continued to prevail, quotations generally remaining about where they stood at the close of the previous week. Demand was reported as fairly active, with offerings generally rather light.

Olive.—Demand for denatured oil was somewhat more active in a jobbing way and the market appeared to have a steadier tone. Foots met with a fair inquiry for moderate quantities to fill the current needs of consumers.

Perilla.—There were reports of a fairly active inquiry early in the week, with sales at an advance of about ¼c. per pound. Later on quieter conditions prevailed, but offerings were generally light and prices remained steady.

Soybean.—A further advance occurred in bean prices in the West, and the market for oil had a steadier tone, though prices were without quotable change. There was a somewhat better inquiry.

Markets at Other Centers

San Francisco, May 9.—Trading in vegetable oils has been only moderately active, but the market has remained steady or firm.

CHINAWOOD.—Quoted at 17c. per pound in tankcars, f.o.b. Pacific Coast ports for nearby or future delivery on contract.

BABASSU.—Steady, with sellers quoting 5¾c. per pound in tankcars, f.o.b. mills, Pacific Coast.

OITICICA.—Raw, liquid oil, laboratory-controlled, uniform quality, standard specification, quoted on the basis of 13c. per pound in drums and/or tankcars, f.o.b. San Francisco for prompt or future shipment from Brazil. Other grades quoted at 11c. Solid oil quoted at 10c. in drums.

COTTONSEED.—Domestic bleachable oil, 7c. per pound in tankcars, f.o.b. Pacific Coast mills. Foreign oil not quoted.

TEASEED.—Free acid oil, 9c. per pound in drums or tankcars, f.o.b. San Francisco for early shipment out of the Orient.

Chicago, May 12.—A generally firm tone is ruling in vegetable oils.

COCONUT.—Coast basis, crude, May-forward, 2¾c. to 3c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, barrels, car lots; and 8¾c. to 9c., barrels, less than car lots.

CORN.—Crue, low acid, 6c. to 6⅛c. per pound, partly nominal. Refined, edible oil, 8¾c. to 9c. per pound, barrels, car lots; and 9¼c. to 9½c., barrels, less than car lots.

SOYBEAN.—Crude, mills, May-forward, 4⅞c. to 5c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active, with the undertone firmer in the main, although prices showed more or less irregularity. Offerings were light much of the time, however, while there were reports of increased purchases for account of exporters and cash interests. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing May 12.	Closing May 5.
Cash, No. 2..	$0.98¾	$0.97	$0.98¾	.....
May	.98½	.95⅝	.97½	$0.95⅛
July	.95¾	.93½	.95⅝	.93⅝

Linseed Oil

Changes in flaxseed quotations were generally moderate. Linseed oil steadier. Cake and meal lower.

Flaxseed—DULUTH, May 12.—The flax market here continues to lack in interest and futures have a tendency to decline. The cash basis remain unchanged. Flax seeding is now approaching completion in Southern Minnesota, Northern Iowa and Southern South Dakota and is in progress in quite a few places in Northern Minnesota, North Dakota and Montana. Reports from virtually all parts of the flax region indicate increased acreage, some say as high as 100 and 300 percent of last year's allotment. Temperatures have been warm, favoring the early development and rapid growth.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.72	$1.65
Monday	1.71½	1.63½
Tuesday	1.73	1.65
Wednesday	1.75½	1.67½
Thursday	1.75½	1.65
Friday	1.74½	1.66½

Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week..	.....	.....	.....	.....
Since Aug. 1...	1,361,276	1,064,994	1,394,800	1,143,848

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

For Every Specification
Processed
Refined
Blown
Cooked
Sulphonated
VEGETABLE and FISH OILS
Perilla Oil
Soya Bean Oil
Sardine Oil
Liquid Oiticica Oil
Let us quote you Spot or Contract
CROWN
OIL PRODUCTS CORP.
214 49th AVENUE
LONG ISLAND CITY, N. Y.

STEARIC ACID
Single Pressed and Double Pressed
available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *(distilled)*
STAR BRAND *(saponified)*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

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a remarkably high standard of purity and white color in distilled fatty acids ....
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STEARIC AND OLEIC ACIDS
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FATTY ACIDS · GLYCERINE · PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.

MINNEAPOLIS, May 12.—Crusher buyers complain of the quality of the flax offered from day to day and are inclined to reduce their premiums because of that fact.

Elevator stocks changed very little in the past week, insofar as public bins were concerned, but private stocks continued to decrease freely as crushers were unable to buy much of anything and had to draw on their bins to keep going. Public stocks represent a poor quality of flax not wanted by the crushers. Tenders on May contracts to date total 158,000 bushels, all No. 2 quality. There is still 123,000 May open and enough No. 2 flax to cover most or all of the total.

Most attention, of course is directed toward the new crop situation and at the moment there is less optimism. High winds sapped up the topsoil moisture freely and dust storms blew in North Dakota Tuesday. Farmers are seeding their flax acreage in increasing volume from day to day. A factor that failed to gain recognition earlier in that some farmers having their wheat acreage and crop insured are not in the least inclined to cooperate in the poison campaign against grasshoppers and grasshoppers are showing up heavily in some sections of North and South Dakota.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.79	$1.64	$1.65
Monday	1.80	1.63½	1.66
Tuesday	1.82	1.65	1.68
Wednesday	1.83	1.67½	1.69
Thursday	1.82	1.67½	1.68
Friday	1.82½	1.66½	1.68½

Crop movement in bushels follows:—

	Receipts— 1939.	1938.	Shipments— 1939.	1938.
This week..	12,000	34,680	7,200	7,800
Since Sept. 1	2,017,070	3,472,340	616,359	783,172

WINNIPEG, May 12.—The market for flaxseed futures was quiet. Prices were irregular in company with grain. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.52	$1.52	$1.53½
Monday	1.52	1.52	1.53½
Tuesday	1.52½	1.52⅛	1.54
Wednesday	1.52	1.52⅛	1.52⅝
Thursday	1.50	1.50	1.52
Friday	1.50	1.50	1.52

BUENOS AIRES, May 12.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	$1.13	$1.25⅞
Monday	1.13	1.26
Tuesday	1.13⅛	1.25½
Wednesday	1.13⅜	1.24½
Thursday	1.13⅜	1.24⅜
Friday	1.13⅜	1.23⅞

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	201,000	331,000	394,000
United Kingdom	.....	.....	4,000
Continent	224,000	354,000	929,000
Orders	209,000	98,000	.....
Others	*71,000	185,000	.....
Totals	705,000	968,000	1,327,000

* Canada.

Since January 1

To—	Bushels— This year.	Last year.
United States	7,381,000	5,373,000
United Kingdom	536,000	1,054,000
Continent	11,502,000	10,806,000
Orders	5,866,000	5,413,000
Others	1,795,000	860,000
Totals	27,080,000	23,506,000

Visible Supply

	Bushels.
Last week	6,299,000
Previous week	7,087,000
Last year	6,693,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom	252,000	288,000	312,000
Continent	80,000	28,000	16,000
Others	*52,000	.....	.....
Totals	384,000	316,000	328,000

* To Australia and Japan.

Since April 1—	Bushels— This year.	Last year.
United Kingdom	1,336,000	1,560,000
Continent	152,000	56,000
Others	72,000	52,000
Totals	1,560,000	1,668,000

HULL, May 12.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£11⅝	£12⅛
Monday	11⅝	13⅛
Tuesday	11⅝	13⅛
Wednesday	11⅝	13⅜
Thursday	11⅝	13½
Friday	11⅝	13½

Linseed Oil.—The market was steadier to the extent that slightly higher prices were quoted for small lots of oil in cooperage. The tankcar market was unchanged, quotations ranging from 8.2c. to 8.4c. per pound, with intimations that the outside figure could be shaded. So far as new business was concerned, the market was still a small affair. There was a further expansion in the movement into consuming channels on contracts, however, as a result of better weather for painting in various parts of the country.

Cash demand in the Northwest was reported as more active, crushers and seed houses being the principal buyers. Unfavorable reports were received concerning the quality of the arrivals. Crop accounts from the same sections were less optimistic as a result of high winds, which have sapped topsoil moisture. Fears were also expressed as to the grasshopper menace, as some farmers are refusing to join in the poisoning campaign against the pests. Crop accounts from Argentina were reported as favorable in the main, though a general rain would put the soil in better condition for seeding the new crop.

Receipts of flaxseed at New York last week were 165,388 bushels.

MINNEAPOLIS, May 12.—Buyers of linseed oil show inclination to cover their nearby requirements only and are not avid regarding the needs of the summer. Small lot business picked up noticeably and currently is good. In view of the light production and chances of an early and complete shut-down of mills this tends to make the market tone strong and there is no pressure to sell. Most all of the oil made has been contracted for.

Shipping instructions are good and less than 10 percent of capacity is in use at the present time. One company is operating presses and the rest have closed down until more old crop seed is available or the new crop begins to move. Stocks of oil on hand in local tanks are decreasing more rapidly owing to the lack of replacement through current operations. Complete absorption of the supply prior to availability of new seed is anticipated.

Quotations on carload lots, tankcars, f.o.b. Minneapolis, 8.6c. per pound, cooperage car lots 9.3c. per pound, warehouse lots 9.7c. per pound.

Shipments of oil in pounds were as follows:—

	1939.	1938.
This week	1,260,000	1,963,067
Since Sept. 1	50,348,953	43,789,671

SAN FRANCISCO, May 9.—Last week saw but little, if any new business in linseed oil, paint and linoleum manufacturers being content to sit on the sidelines, awaiting the start of California production and the consequent competition for business to be expected among the producers. No change in quotation was noticed. Quoted:—Tankcars, 8.6c. per pound; drum lots ex mill, 9.1c.; drum lots ex warehouse, 9.6c.

CHICAGO, May 12.—The linseed oil price structure holds steady. Interest of buyers as expressed in current orders is mostly in limited amounts, ordered frequently, for shipment promptly, indicating limited stocks. Ruling prices are:—Tankcar, 8.6c. per pound; car lots, 9.2c.; less than car lots, 9.6c.

LONDON, May 12.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	24	7½
Monday	24	9
Tuesday	24	7½
Wednesday	24	10½
Thursday	25	3
Friday	25	3

Cake and Meal.—The market had an easier tone, quotations being shaded $1 to $1.50 per ton. There was no broadening of trade, purchases during the week being limited to moderate lots.

MINNEAPOLIS, May 12.—With only 10 percent of crushing capacity in operation and no old stocks of meal on hand the market must, of necessity, be a thin routine affair. There is no volume or force to buying but on the other hand there is no pressure.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $38 to $38.50 per ton.

Shipments of meal in pounds were as follows:—

	1939.	1938.
This week	1,840,000	1,230,865
Since Sept. 1	71,882,225	106,150,606

CHICAGO, May 12.—Round lot business in linseed meal is limited. Resellers are offering moderate amounts of material. Ruling prices are:—Round lots, $38 per ton, largely nominal; car lots, $38 to $39; less than car lots, $40 to $40.50.

Cottonseed Oil

Refined oil futures were quiet, with narrow changes in quotations. Southern markets for cottonseed products generally quiet and steady.

Cottonseed Oil.—The market for refined cottonseed oil futures was a rather small affair last week. With the monthly cottonseed report from the Census Bureau due late in the period, many traders were disposed to do little more than look on. The unfavorable political situation abroad, the lack of any decisive price movements in the market for lard futures and the quietness prevailing in many other raw materials also had a tendency to make traders in cottonseed oil disinclined to add to their commitments on either side of the account. In brief, it was mainly a waiting market and fluctuations in prices were narrow and devoid much of the time of any particular significance.

Additional deliveries on May brought the total for the month thus far up to 106 contracts. There was further switching from near to later positions. May was switched to July at 14 points difference, to September at 25 points, to October at 26 points and to December at 43 points. July was switched to September at 17 points difference and to December at 19 to 22 points. September was switched to October at 2 points difference.

Southern markets for crude oil were quiet. With offerings light, however, the prevailing tone in the South was steady. Domestic and foreign trade in lard was on a fair scale. A fairly active demand was also noted for lard compound, and reports were heard of a somewhat better inquiry for cash refined cottonseed oil. Production of margarin in March was about 11,500,000 pounds smaller than in the same month last year. Consumption of cottonseed oil in the manufacture of margarin during March was about 7,600,000 pounds smaller than in March last year, while consumption of all raw materials was about 12,000,000 pounds smaller. Copra and coconut oil continued firm and the general market for fats and greases had a steady or firm tone.

The movement of hogs in the West continued to run ahead of last year, arrivals in the principal centers for four days of the week aggregating 213,600 head against 181,400 head in the same time last year. The weight of the hogs received in Chicago during the week ended May 6 averaged 258 pounds, the same as in the previous week. The weather over parts of the cotton belt was better, but unfavorable reports continued to be received from some other sections.

The weekly government report stated that in Texas the general condition of the cotton crop is fair to good in the extreme South, but only fair generally elsewhere. In Oklahoma planting made slow progress in most sections, due largely to dry soil. In the central states of the belt planting made generally good progress. In the eastern belt increasing warmth was decidedly favorable.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 6 to May 12, inclusive, comprised 570 contracts, a total of 34,200,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	6.70	6.55	6.63@6.68
July	6.80	6.68	6.72@6.74
September	6.96	6.88	6.91@6.93
October	6.99	6.90	6.94 sale
December	7.00	6.92	6.98 sale

Crude, Southeast, .0562½c. Nom.

Chicago, May 12.—The cottonseed oil market is backing and filling, without disclosing any general, basic price tendency. Good, off-Summer yellow fig oil is 7¼c. per pound. Refined, edible oil is 8¼c. to 8¾c. per pound, barrels, car lots; and 9c. to 9¼c., barrels, less than car lots.

Hull, May 12.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	20	0	17	6
Monday	20	0	17	6
Tuesday	20	6	18	6
Wednesday	20	6	18	0
Thursday	20	6	18	0
Friday	20	6	18	0

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Cake and Meal.—Southern markets were generally quiet, but offerings continued light, and the prevailing tone was steady, quotations on spot material remaining about where they stood in the previous week.

Markets at Other Centers

Atlanta, May 10.—Planting the new crop is progressing rapidly. Prime crude oil offers are from 5.50c. to 5.60c. per pound, while 8 percent meal is quoted from $24.50 to $24.75 per ton, Southeastern mills.

Memphis, May 12.—Crude cottonseed oil remained quiet during the past week. Last sales reported were at 5½c. per pound, Valley basis, with that figure now bid. Buyers and sellers continue indifferent. A few scattered tanks are offered at 5⅝c. Meal quiet and easier at $23.50 per ton for 41 percent, Memphis basis. Bulk slab cake $21.25 to $21.50 per ton at Valley points. Hulls $5 per ton at mill points. Rains continue to delay crop preparations. The Memphis Cotton Carnival is now in full swing and will last throughout the week. Attendance large.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	May 4.	May 11.
May	$23.60@23.85	.....
July	23.35@23.45	.....
September	22.65@22.85	.....
October	22.40@22.55	.....
December	22.15@22.50	.....

Fatty Acids

Caprie Acid.—The situation continued to be featured by a steady tone, with quotations held at former levels. There was a fair movement of small or moderate quantities into consuming channels.

Coconut Oil. — The market for this fatty acid retained a steady tone in the absence of any further change in the position of basic material. There was a fair inquiry from makers of soaps and other consumers.

Cottonseed Oil. — Quiet conditions prevailed so far as new business in this fatty acid was concerned, although there was a fair movement on contracts previously placed. The market retained a steady tone.

Myristic Acid. — There was little change in the character of business, interest on the part of makers of soaps and cosmetics being limited to small lots to fill current needs. Prices were steady.

Palm Oil.—Business in this fatty acid continued along the same conservative lines recently noted, many consumers still being disinclined to purchase ahead. The tone was steady.

Stearic Acid.—Quotations were generally maintained at previous levels as the market for basic material remained steady. There was a fair movement into consuming channels on contracts and transient orders.

Markets at Other Centers

Chicago, May 12.—Orders for fatty acids are sufficient to keep the market on a comparatively even keel.

FATTY ACIDS.—Corn oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅛c. to 3¼c.; boiled down soap stock, 65 percent basis, 4⅛c. to 4¼c.; cottonseed foots, 50 percent basis, 1½c. to 1⅝c.

SEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Menhaden.—The market for refined oil remained in the same steady position it has occupied for some time past, previous selling schedules continuing in effect. No improvement in trade was reported, consumers still generally being disposed to limit their purchases to comparatively small or moderate quantities, with the movement of such lots unimportant in the aggregate. Crude oil remained nominal as usual at this period of the year.

Sardine.—Refined oil quotations were unchanged, and the tone of the market appeared to be steady, the recent decline in crude oil on the Pacific Coast finding no reflection in the local situation. There was a fair inquiry, though consumers showed little disposition to purchase ahead.

Sperm.—There was a fair demand for moderate lots of refined oil, the movement apparently being up to that of recent preceding weeks. The market retained a steady tone.

Markets at Other Centers

San Francisco, May 9.—There is no market in fish oils here at the present. Practically every tankcar in first hands out of the old season California production has disappeared and because of this there is no active interest among the buying trade. The price is set nominally at 34 cents per gallon, San Francisco/Monterey basis on California sardine oil, with perhaps a shading of this figure for southern California oil, but apparently there was nothing last week in the way of business to prove these prices. Resellers have been active in a small way at times recently in the matter of crude oil sales, but no business was heard here or in Los Angeles during the last several days.

New season oil has not been subject to advance trading, a check of the principal fish-oil dealers revealed here today, and negotiations with labor on the Alaska herring front apparently were not getting very far, up to this writing. Alaska herring production is open after June 1.

Baltimore, May 10.—No further sales of Menhaden fish oil, either from old stocks or on a when-and-if-made basis, were reported during the last week. The fishing off the Florida coast was reported to be indifferent, with the fish making no oil, a condition that is expected to continue until August perhaps. Off the North Carolina coast, a few boats are being worked in a desultory sort of way.

Fats and Greases

Grease.—The market for spot material was rather quiet during the past week, interest on the part of buyers apparently being limited to comparatively small or moderate quantities to fill current needs. The tone remained steady.

Lard.—Domestic business lacked snap, but a fair inquiry for moderate quantities was reported in some quarters. The export movement was also fair. Changes in cash prices were within comparatively narrow limits.

Stearin.—Quotations were generally maintained at previous levels, lack of demand of importance being offset by light offerings.

Tallow.—A steady tone prevailed in the local market for spot tallow. Occasional inquiries were received, but actual transactions were apparently confined as a rule to comparatively small quantities, large consumers being inclined to hold off for further developments in other commodities. Advices from outside points reported a fair movement of small or moderate lots.

There was no trading in tallow futures on the New York Produce Exchange from May 6 to May 12, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	5.30@5.45
July	...	...	5.40@5.50

Markets at Other Centers

Chicago, May 12.—The cash lard trade has been along moderately good lines here recently, with the price structure looking somewhat firmer than in some time.

The range of lard quotations from the opening Saturday, May 6, to the close Friday, May 12, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Friday.
Cash	$6.65	$6.65	$6.57	$6.60	$6.60
May	6.52	6.62	6.52	6.55	6.55
July	6.65	6.70	6.60	6.60	6.62

TALLOWS (tierces).—Edible, 5½c. to 5⅝c. per pound; prime, 5⅜c. to 5½c.; fancy, 5⅜c. to 5½c.; special, 5⅛c. to 5¼c.

GREASES (tierces)—Choice white, 5⅛c. to 5¼c. per pound; A white, 4⅞c. to 5c.; B white, 4¾c. to 4⅞c.; yellow, 10-16, 4⅝c. to 4¾c.; yellow, 16-20, 4½c. to 4⅝c.; brown, 4⅛c. to 4⅜c.

STEARINS (barrels).—Prime oleo, 5⅝c. to 5¾c. per pound; lard, packages, 7⅛c. to 7¼c.; white grease, 5⅜c. to 5½c.; yellow grease, 5c. to 5¼c.; oleo stocks, 7⅜c. to 7½c.; No. 2 stocks, 7c. to 7¼c.

Liverpool, May 12.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	May.	July.	Sept.
	s. d.	s. d.	s. d.	s. d.
Saturday	37 0	36 0	36 3	37 0
Monday	37 6	36 9	37 0	37 9
Tuesday	37 3	36 3	36 6	37 3
Wednesday	37 3	36 3	36 6	37 3
Thursday	37 3	36 6	36 6	37 3
Friday	37 3	36 3	36 6	37 3
				Fine, good

Liverpool, May 12.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
Saturday	17 9	16 3
Monday	17 9	16 3
Tuesday	17 9	16 3
Wednesday	17 9	16 3
Thursday	17 9	16 3
Friday	17 9	16 3

Animal Oils

Lard.—Selling schedules were maintained at previous levels by refiners in the absence of any material change in the position of raw material. There was a fair inquiry for moderate lots to fill the current needs of consumers.

Neatsfoot. — Quotations were unchanged, and the tone of the market appeared to be steady. Consumers were not inclined to purchase ahead to any important extent, but there were reports of a somewhat better inquiry.

Oleo.—A fair inquiry was reported, much of the purchasing apparently being limited to moderate quantities. The market had a steady tone.

Markets at Other Centers

Chicago, May 12.—Animal oils have been quiet and generally routine.

LARD.—No. 1, 8¼c. to 8½c. per pound.

OLEO.—No. 2, 7¼c. to 7½c. per pound.

TALLOW.—Acidless, 7¼c. to 7½c. per pound, tanks; and 8¼c. to 8½c., barrels.

Waxes

Bees.—Prices at all points were very firm and on spot a very fair trade that showed some tendency toward expansion accounted for a gain in the strength of market undertones. Crude costs in the foreign markets were comparatively high and shippers showed little tendency to accept most of the bids submitted.

Candelilla.—A routine market prevailed on spot. Buyers were not very active, but, because of the well-maintained cost of wax in the primary market, local values were very well liked.

Carnauba. — Cables from Brazil jumped prices sharply late last week and the feature at the close was the inability of local dealers to get any offerings of the yellow grades. The rise in Brazil was about 1c. on the No. 3 grades, and the yellow grades were from 2c. to 3c. higher and not offered. New spot quotations became as follows:—No. 3 chalky, ton lots, 28½c. to 29c. per pound; 5 bag lots, 29c. to 29½c.; 1 bag lots, 29½c. to 30c.; No. 3 North Country, ton lots, 29½c. to 30c.; 5 bag lots, 30c. to 30½c.; 1 bag lots, 30½c. to 31c.; refined, 34½c. to 35c.; No. 1 yellow, ton lots, 39c. to 39½c.; 5 bag lots, 39½c. to 40c.; 1 bag lots, 40c. to 40½c.; No. 2 yellow, 38c. to 38½c.

Japan.—Prices in Japan were very firm. On spot they were steady and considered low when compared with quotations cabled on replacement offerings from the source. Business was mainly jobbing in size.

Cottonseed Ass'n Asks Increased Tariff Rates

—Continued from page 5

an exporter of fats and oils but since then, with the exception of 1921 and 1924, have been net importers of this entire group, C. E. Lund, chief of the fats and oils section of the Bureau of Foreign and Domestic Commerce, declared. For many years, he said, this country has been an importer of those fats and oils used in soap, paints, etc. Prior to 1935, the United States was a substantial net exporter of those fats and oils used principally for edible purposes, he explained.

The yearly consumption, of which 40 to 45 percent is lard and butter, has risen from 5,000,000,000 pounds some twenty-five years ago to over 9,000,000,000 pounds at the present time, he said. When it was only 5,000,000,000 pounds, Mr. Lund said, the country had a surplus to ship abroad and net exports were nearly 600,000,000 pounds. Domestic consumption reached 9,300,000,000 pounds in 1937 and net imports were 2,500,000,000 pounds. There was little change in the 1938 domestic consumption but imports decreased 1,000,000,000 pounds and were on a normal basis, being 14 percent over the 10-year average, 1925-34, as against a 56 percent average increase in the three drouth years, Mr. Lund said.

Imports, Mr. Lund explained, in 1938 decreased from the high levels of the preceding three years principally because we produced more cottonseed, soybean, corn and peanut oils; also more lard, butter and tallow. This increased production, plus heavier inventories entering 1938, met a lower price level on all products in this group compared with higher values of the preceding three years. The 1938 prices were, however, considerably above the low levels reached in years immediately preceding 1934, following which drouths reduced domestic production and excise taxes affected the cost of imported products, he concluded.

E. T. George, president of the Seaboard Refining Company, New Orleans, in discussing his fifty-seven years in the cottonseed industry said that he had seen crude oil sell as low as 1.87½ cents per pound in 1899 and refined oil, New York, as high as 29 cents per pound in the season 1919-20, say $1,116 and $17,400 per tankcar, respectively. During the last ten years, the low in refined oil, New York, was 3.19 cents per pound. These wide-price movements suggest the necessity for great caution in the buying of cottonseed, he said. Average high for the past twenty-five years, New York, 13.49 cents per pound; average low 7.63 cents per pound; difference 5.86 cents per pound, he added.

Cottonseed Grading—

G. S. Meloy, senior marketing specialist for the Bureau of Agricultural Economics, outlined the standards of grading cottonseed as follows:—

First, a quality index is found, which is a measure of development of the oil and protein in the seed. By means of the quantity index it is believed that selection and breeding work with cottonseed, to improve the oil and protein contents, as well as improved cultural practices, will be encouraged.

Second, a quality index which is a measure of (1) deterioration that has taken place in the seed; (2) moisture contents that affect the handling, cleaning, storage, and pressing of the seed; and (3) foreign matter contents that also affect the handling, storage, and processing of the seed.

Third, a grade, which is such a combination of the quantity and quality indexes as to give an index of the value of any lot of seed in relation to the current value of seed of the base grade.

In the new regional agricultural research laboratory now under construction in New Orleans by the Department of Agriculture, government chemists will attempt to find a use for the millions of tons of waste material from the cotton plant, according to Dr. Henry G. Knight, chief of Bureau of Chemistry and Soils of the Department of Agriculture. An incentive to the chemists will be the shining record of accomplishments of the cottonseed products industry during the past sixty years. Experiments on the utilization of the entire cotton plant as a source of industrial cellulose have so far been carried out only on a small laboratory scale with limited funds, he said. Proposed study will be attempted on a much larger scale in the Southern regional laboratory at New Orleans.

Dr. Knight pointed out that work will be undertaken to determine the definite potential possibilities in this new field. If this is encouraging, he said, work will then be done to find the most efficient method of pulping the whole cotton plant and developing it into commercial cellulose. Parallel to the pulping research would be investigation in the selection and breeding of the most suitable varieties of cotton plants for the purpose of planting, spacing, cultivating and harvesting these plants, he said.

The protein in cottonseed meal, said Dr. Knight, offers potential industrial possibilities for the manufacture of plastics which are used in scores of everyday products. It is also believed that the cotton stalks and hulls could also be used for plastics, and Dr. Knight pointed out that the government in its laboratories at Ames, Ia., and Urbana, Ill., has already experimentally converted soybean protein, sugar cane bagasse and other argicultural wastes into plastic materials.

It is also possible that the amount of oil in cottonseed can be increased possibly as much as 20 percent without injuring the lint, according to Dr. Knight, and this will be a further subject for laboratory study.

—Continued on page 58

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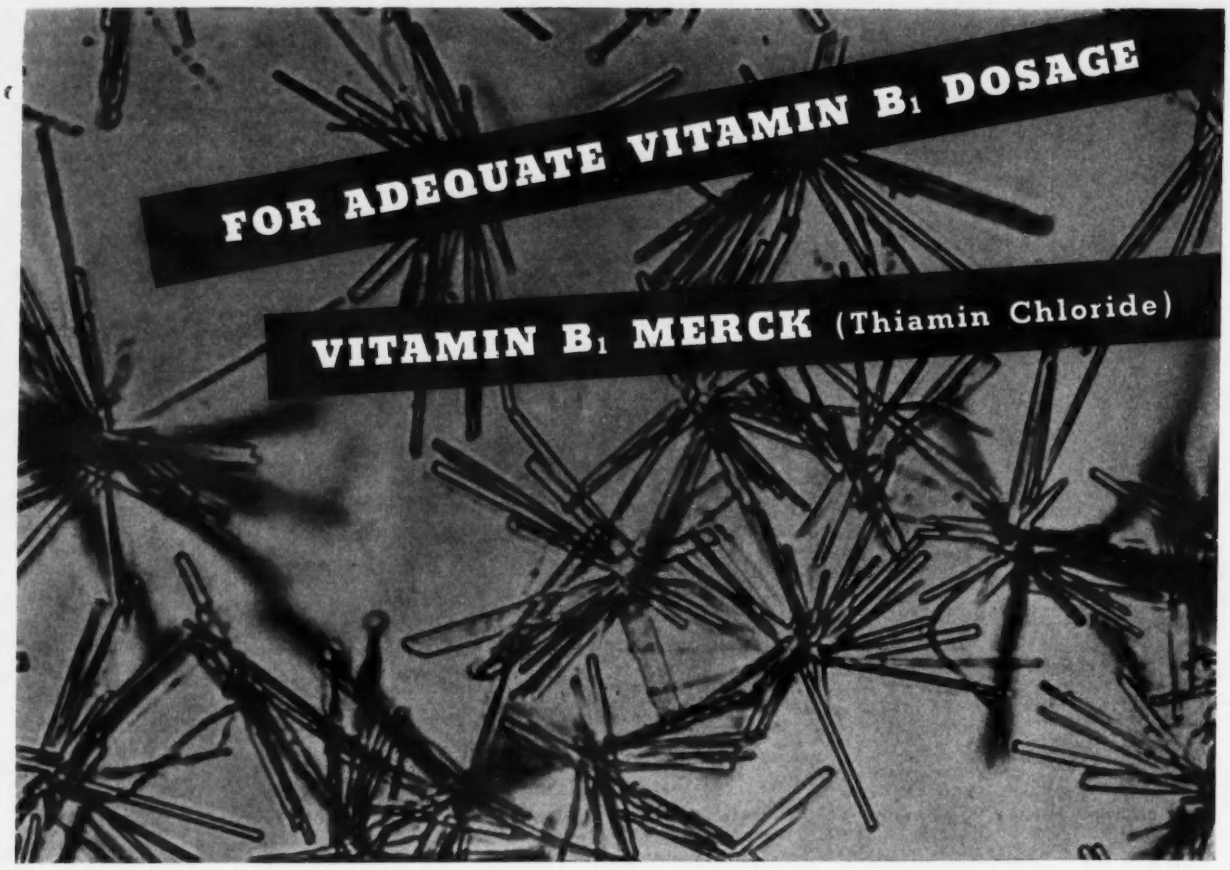

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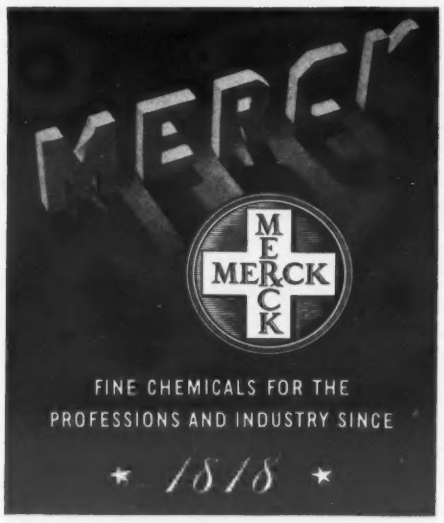

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Drugs, Fine Chemicals

Amyl Acetate, Diamyl Phthalate and Refined Fusel Oil Up—Codliver Oil Off—Cocoa Butter Lower—Quicksilver Down —Denaturing Methanol Outlook Improves

Solvents occupied a prominent place in price developments in the market for drugs and fine chemicals last week; higher quotations were set on amyl acetate, diamyl phthalate, and refined fusel oil. On the side of price declines were lower levels on codliver oil, cocoa butter, and domestic quicksilver. In the main the market as a whole was active along lines fairly normal for the season and most quotations showed considerable stability.

The outlook for denaturing methanol has improved of late. Its use in making specially denatured alcohol, formula No. 1, may be a forerunner of its being once more admitted as a denaturant in completely denatured alcohol formulas. Such a development would be a boon to the hardwood distillation industry which is striving to bring about a return to the denaturing practices of the pre-prohibition era.

Exports in the first quarter of this year showed a 15 percent gain, according to the Department of Commerce. The out-movement of medicinals, pharmaceuticals and biologics in that period was valued at $4,500,000 and practically all classifications in the market shared in the gain. During the first quarter of 1938, the value of such exports was $3,964,000. Vitamin products are being classified separately for the first time and exports in January-March were valued at $93,000.

A visitor from Sweden, who was expected to arrive in the United States around May 1, for a visit of three weeks, is interested in cosmetic and pharmaceutical lines. Full details regarding this visitor are available to accredited American firms, at the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington. Please refer to Foreign Visitor No. 543.

Acid, Citric.—Hot weather came to the East last week and with it came a rise in the consumption of this acidifier for hot weather beverages. The market activity was along seasonal lines and led to prices being very steady at their very low levels.

Acid, Tartaric.—More activity came to the market with the rise in temperatures and the arrival of normal Spring conditions. Hot weather prevailed during the greater part of the period and sales volume rose conservatively but encouragingly.

Agar.—The market was one of very firm undertones backed by fair demand on spot and well maintained quotations in the primary market.

Alcohol.—The group as a whole was steady. Trade was along seasonal lines for the most part and while not expansive, it was sufficient to keep the market free from any further changes in prices. An exception was the position of specially denatured alcohol known as "special solvent." This formula was easy to weak in the Metropolitan area and prices there were unsettled even at the decline reported in the previous trading period. Also, isobutyl alcohol firmed up very little. Other grades of alcohol were about steady. In view of the fact that S. D. No. 1 formula may contain some methanol in the future, talk went the rounds to the effect that eventually completely denatured alcohol may be allowed a portion of the same denaturant. Such a development would be highly encouraging to the producers of denaturing grade methanol.

Amyl Acetate.—Quotations have been advanced, establishing the following schedule on ex fusel oil material: Commercial, 85-88 percent, tanks, 11c. per pound; drums, car lots, 12c.; less than car lots, 12½c.; technical, 90-95 percent, tanks, 10½c.; drums, car lots, 11½c.; less than car lots, 12c.; H. T., 85-88 percent, tanks, 12½c.; drums, car lots, 13½c.; less than car lots, 14c

Bismuth Metal and Salts.—The market was very steady on spot and a fair to satisfactory request tended to keep quotations well maintained and to hold competition rather well in check on the majority of orders placed during the past week.

Borax.—Contracts have been taken out fairly well thus far in the first half of the year and the outlook for renewals along fairly broad and satisfactory lines was felt to be reasonably good. Prices at the moment appeared to be steady last week.

Cadmium.—It seemed apparent that production of motor car units was leveling off and hence consumption of this metal by platers supplying the automotive trade may show shrinkage soon. The market was quiet last week, with prices reasonable and inclined in buyers' favor.

Caffeine.—Fairly good request was current last week. The movement into consumption was along seasonal lines and was expected to hold up well throughout the Summer. Stocks were reported ample to cover any exceptional rise in request.

Camphor.—Demand has leveled off some with the passing of Spring and the period when wholesalers of this article provide for retail sales of a more substantial sort. The market was fairly quiet last week, but prices were reasonably steady.

Castor Oil.—No change in prices was reported and the market on the whole appeared to be in fairly stable position last week. Request was fair and in volume comparing well with the sales in recent periods.

CHICAGO, May 11.—Demands for castor oil seem to have kept this market steady. Orders in most instances involve limited amounts of material, but aggregate amount involved is reported good. Ruling prices are:—No. 1, barrels, car lots, 9⅛c. per pound; barrels, less than car lots, 10¼c.; returnable drums, car lots, 8⅞c.; drums, less than car lots, 10c.; tanks, 8⅜c.; No. 3, barrels, car lots, 8⅜c.; barrels, less than car lots, 9¾c.; returnable drums, car lots, 8⅜c.; drums, less than car lots, 9½c.; tanks, 7⅞c.

Cocoa Butter.—With cocoa prices at bottom, the position of butter was one distinctly easy as evidenced by the decline in prices to the basis of 10¾c. per pound for bulk butter in car lot quantities.

Codliver Oil.—The spot market was lower at $20 to $21 per barrel. This in part reflected the fact that because of the excellence of the catch and production in Norway this year, prices there have been very low. Importers here report that consumers have bought the low priced oil freely and in a volume certainly indicating that their needs will be fully covered.

BERGEN, April 29.—Prices are low, possibly the lowest in a number of years. Production to April 22 has been as follows:—

	Tons. Cod fish.	Hectoliters* Oil.
1939	188,839	86,169
1938	136,471	62,288
1937	130,502	68,311

* To convert into barrels, multiply by .88.

Corn Syrup.—Raw material was fairly firm last week, lacking fluctuations of importance. After midweek, reports of cold weather raised the question of its effect on the growing crop. Syrup remained steady in prices and subject to fair request.

Diamyl Phthalate.—Quotations were higher to the basis of 20c. per pound in tanks; 21c. in drums, car lots, and 21½c. in less than car lots.

Fusel Oil.—Quotations were advanced to the basis of 15c. per pound in tanks; drums, car lots, 16c.; less than car lots,

Price Changes

Prices were changed during the past week as follows:—

Advanced

Amyl acetate, ex fusel oil, 1c. per lb.
Diamyl phthalate, 2c. per lb.
Fusel oil, refined 2½c. per lb.

Reduced

Codliver oil, $1 per bbl.
Cocoa butter, ½c. per lb.
Quicksilver, $7 per flask.

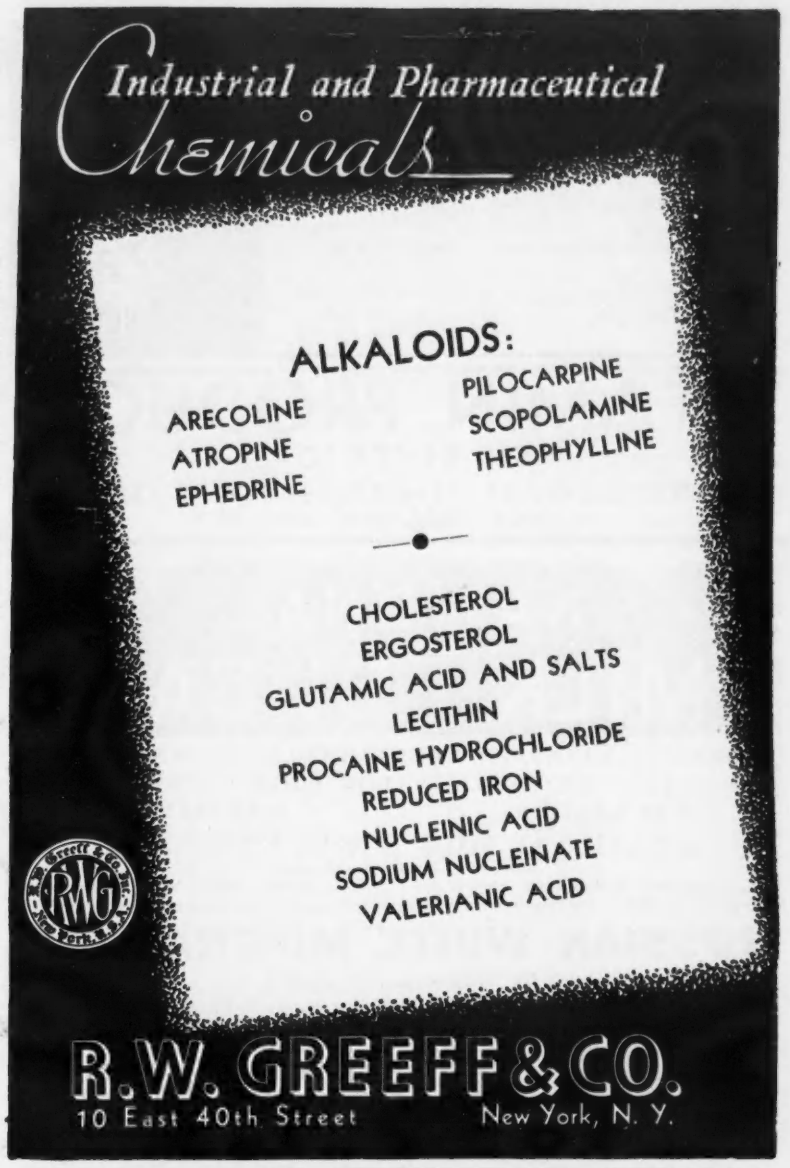
Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
183.1	**183.4**	**183.1**	**180.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7



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16½c. Business in refined material was reported to be very good and stocks were none too plentiful.

Gelatin.—Silver label was quoted at 42c. to 43c. per pound and seemed to be fairly easy at the more favorable figure. Statistics on production and stocks, in pounds, of edible gelatin, for the first quarter of 1939, compared with preceding quarters, were released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data were reported by 11 manufacturers, operating 11 plants in Illinois, Massachusetts, Michigan, New Jersey, New York and Wisconsin. Production amounted to 6,340,019 pounds for the first quarter of 1939, compared with 5,233,554 pounds for the fourth quarter of 1938 and 6,305,042 pounds for the first quarter of 1938. Stocks at the end of the first quarter of 1939 were reported as 8,909,144 pounds, as against 8,003,566 pounds at the end of the fourth quarter of 1938, and 9,969,040 pounds at the end of the first quarter of 1938. Statistics for the years 1928 to 1938, by quarters, and the first quarter of 1939, compiled by the Bureau of Foreign and Domestic Commerce of the Department of Commerce, are shown below:—

	Pounds	
	1939.	1938.
Production:—		
First quarter	6,340,019	6,305,042
Stocks:—		
First quarter	8,909,144	9,969,040
Imports:—		
First quarter	599,121	1,342,780
Exports:—		
First quarter	75,493	61,580

Glycerin.—The market continued firm as to crude and very steady as to refined material. Demand seemed to be taking up offerings with a fair degree of promptness, contributing to the well supported price position and giving firm undertones to prices generally.

CHICAGO, May 11.—Orders for c.p. glycerin are reported quite good, with contracts being taken out well. Other grades of material also are said to be steady. Buyers continue to pay much attention to the possibility of foreign developments affecting glycerin. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Menthol. — Buying was mainly in small lots covering jobbing requirements for the most part. Stocks were ample to cover any substantial expansion in request but conditions last week did not suggest any early increase in the takings by buyers. Replacement quotations were also steady, governing to a substantial extent the spot position of natural material from Japan.

Mercurials. — The market was firm notwithstanding the fact that raw material tended slightly easier and was actually a trifle lower last week. De-

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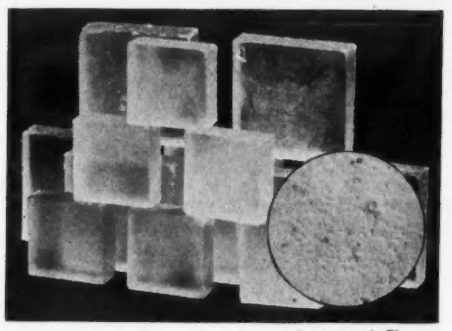

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mand for mercurials was fairly active and along lines common to the market under ordinary conditions.

Methanol.—Hope of a return to methanol as the principle denaturant in completely denatured alcohol received a boost when the Washington authorities in the previous week permitted its use in the preparation of special denatured alcohol formula No. 1. The use of methanol was banned during the prohibition era when many deaths resulted from the illicit use of alcohol denatured with the product of hard wood distillation. A return of denaturing grade methanol as a constituent in completely denatured formulas would be a boon to the hard wood distilling industry.

Quicksilver.—Spot prices were reduced to $88 to $90 per flask and conditions suggested that even less could be done with an order in hand. The market was soft as the result of an apparent weakening of European metal prices. Reports locally were to the effect that while officially the price for European metal was $81, agents of European suppliers actually offered a round quantity at a price far under that figure. This report was confirmed in reliable quarters. Reaction on the Pacific Coast was prompt and one large operators declared that he would be compelled to meet whatever new price might be setup. So far as could be learned, the offering was special and confined to the few very large buyers who failed to close with the proposal.

SAN FRANCISCO, May 9.—Demand was light and competition forced the market down to a spot quotation of $90 per flask. Production is running higher, reliable estimates placing the monthly output at 1,300 to 1,400 flasks.

Quinine.—The market was firm and normally active. Summer consumption was expected to run to excellent totals and a generally firm market was predicted during the season.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	31½	42⅝	20⅝
Monday	31½	42⅝	20⅝
Tuesday	31½	42⅝	20⅝
Wednesday	31½	42⅝	20⅝
Thursday	31½	42⅝	20⅝
Friday	31½	42⅝	20⅝

Canadian Drugs Act Revisions Widen Scope

—Continued from page 3

the sale of biological materials for diagnostic purposes is included within the scope of the act.

Manufacturers of disinfectants for the destruction of vermin must color or otherwise identify their products to lessen the danger of their being mistaken for flour, baking powder, or other ingredients used for cooking.

Under the amendments, the Department has the authority to order manufacturers of any article of food or drug to furnish a declaration in prescribed form stating that the article has been manufactured in accordance with the requirements of the act and regulations. The declaration must accompany invoices and bills of lading covering importations.

The amendments will not come into force until promulgated by the Canadian government. The governor in council may bring any portion of the amendments into effect at a time which he may designate.

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M. W. Parsons, Imports & Plymouth Organic Laboratories, Inc., this city, has moved its offices to 59 Beekman street and located its receiving and shipping departments at 89 Ann street. The company has been operating as a manufacturer and importer for some thirty years. It specializes in white mineral oils, stearates, and related materials.

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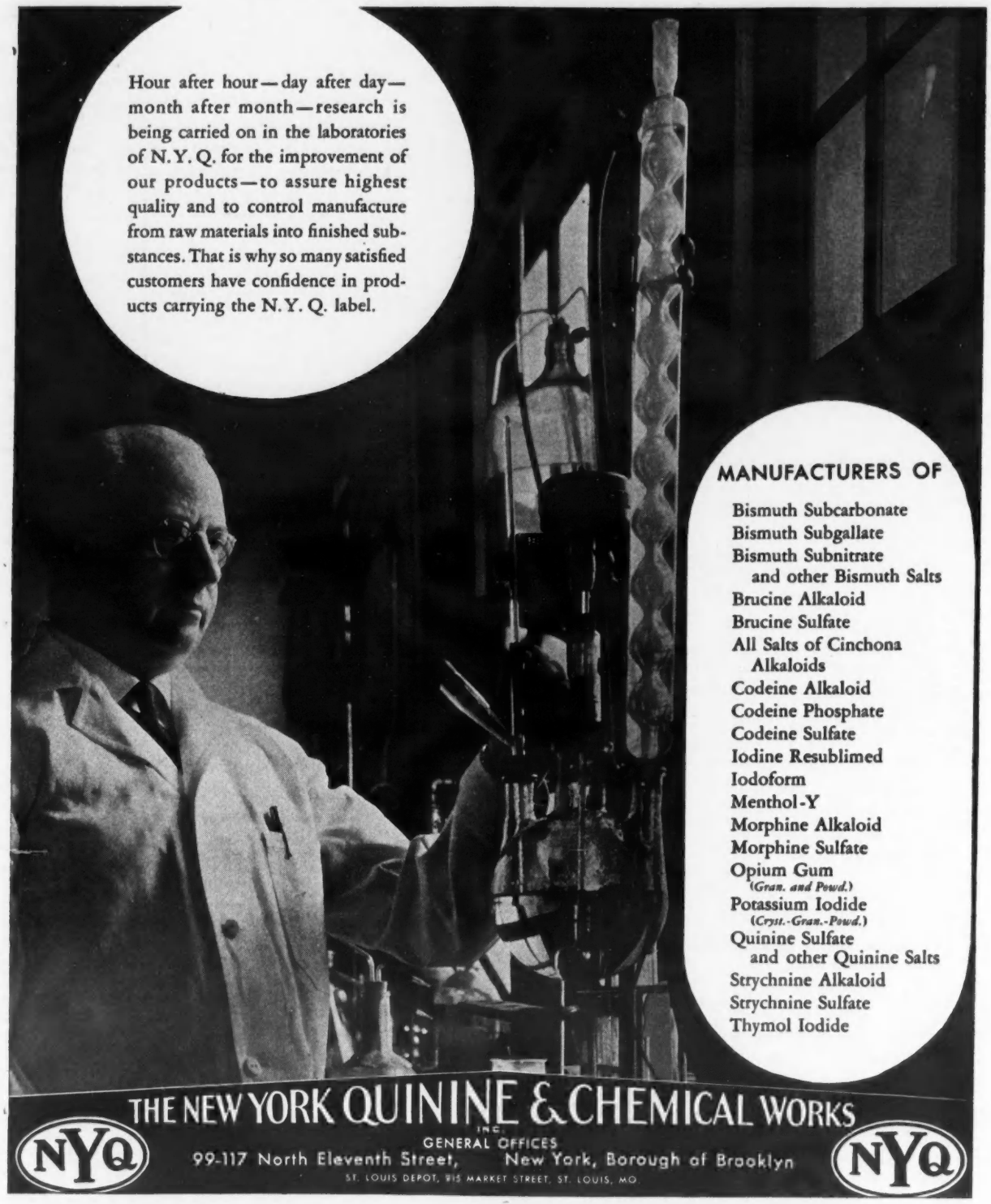
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Twenty-Eighth Annual Meeting

American Drug Manufacturers Association

Hot Springs, Va., May 1 to 4, 1939

After devoting the first day of its twenty-eighth annual meeting to sessions of the several sections, the American Drug Manufacturers Association began its gneral sessions in the forenoon of May 2. Following the formal opening of the meeting by the president, Dr. John F. Anderson, of E. R. Squibb & Sons, the association received a number of delegates from related organizations, who presented greetings and messages as follows:—

Ralph R. Patch, for the American Pharmaceutical Manufacturers Association.

Dr. George D. Beal, for the American Pharmaceutical Association and the Board of Trustees of the United States Pharmacopeial Convention.

Dr. E. L. Newcomb, for the National Wholesale Druggists Association.

Ray Schlotterer, for the Drug Chemical and Allied Trades Section of the New York Board of Trade.

Frank F. Law, for the Philadelphia Drug Exchange.

Secretary Carson P. Frailey reported the death, April 29, of R. E. Lee Williamson, secretary of the Federal Wholesale Druggists Association. He also read messages from John W. Dargavel, secretary of the National Association of Retail Druggists, and John T. Witty. N.A.R.D. president.

At the invitation of President Anderson, Hugh Craig, of the OIL, PAINT AND DRUG REPORTER, and Dr. Robert L. Swain, of *Drug Trade News*, presented greetings from the pharmacal press.

President's Address

Particular comment on the Wheeler-Lea advertising-control act and the new Federal food, drug, and cosmetic act constituted the first part of the address of Dr. John F. Anderson as president of the association. Dr. Anderson looked upon the Wheeler-Lea act as a sometimes harsh, but generally beneficial, law for the industry, as well as for the public, in checking despicable attempts to profit by the ill fortune of those who are sick. His reference to the food, drug, and cosmetic act was chiefly to the new drugs section, which he considered "a great price" to be paid for "so desirable an advance in the prevention" of recurrence of the disastrous results that had followed the failure of one manufacturer "to realize his responsibility in the control and distribution of a dangerous preparation of a most valuable drug." The desirability of uniformity in State drug laws and of their harmony with the Federal law was emphasized by Dr. Anderson.

The belief was expressed that provision should be made by the association for the examination and appraisal of the many appeals that come to it and to individual manufacturers for contributions.

State Medicine

Recalling his presentation of the need for planned medical care for those unable to provide it adequately for themselves, which he had made as president of the American Public Health Association twenty-four years ago, Dr. Anderson commented on the current interest in such a program, which he considered of vital importance to the national welfare in every sense. Referring to the differences of opinion on this matter within the medical profession, he quoted as follows from a report of the action taken by the house of delegates of the American Medical Association.

"Briefly, the house of delegates recommended expansion of public health services, as related to the control of certain infectious diseases, maternal and infant welfare, and similar projects with the definite understanding that the need be established and that they be efficiently handled and economically controlled. The house of delegates approved the principle of hospital insurance, again with the understanding that it cover only the facilities of the hospital and that professional standards be maintained. It approved the principle of cash indemnity insurance for meeting sickness costs, provided these efforts meet the requirements of State laws and that they have the approval of the county and State medical societies under which they operate.

"The house of delegates again recognized the need for complete medical services to the indigent, at the same time emphasizing the desirability of local control. The house recognized that the necessity for State aid might arise in poorer communities and that the Federal government might need to provide funds when the State is unable to meet these emergencies. The needs of the medically indigent were considered, and a definition of medical indigence was applied. Here the house felt that the determination must be made locally as to the group covered by this term, that control of the service should lie with local administration, and that available facilities should be utilized before new facilities were provided. Thus, the house of delegates felt that there was but little need for the building of new hospitals or the establishment of new diagnostic centers, provided better utilization of hospitals and laboratories already functioning can be devised.

"Again the house of delegates stated its firm opposition to any compulsory sickness insurance plan. Finally, it approved protection against the loss of income during illness.

"The members of the American Medical Association will do well to read, if not even to learn, the principles established by the house of delegates. Every member should do all that he can to inform the public concerning these actions. The association has not abandoned any of its policies for the maintenance of professional standards. It has, however, again recognized the importance of securing wider distribution of medical service."

With reference to the pharmacal interest in the movement to provide medical care, Dr. Anderson said:—

This subject of public medicine, socialization of medicine, expansion of the national health programme, or by any other name, is a matter of vital interest to every member of this association, not only because of the possible effect upon our industry, but also because of its social importance to the country as a whole.

We certainly can do no better as an association, or individually, than to adopt as the foundation of our programme that of the American Medical Association as agreed upon by its house of delegates at their meeting in Chicago, September 16, 1938. It is certainly clear to me that our association should not take the position of opposition to the entire programme.

In a special message to Congress early in January of this year, the President transmitted the report of the health conference and asked for a careful study of it by Congress. Since then Senator Wagner has introduced a bill into the senate to put into effect some of the recommendations, but final action has not yet been taken thereon.

Research in Drug Industry

Referring to the expansion of individual research programs as a probable reason for lessening interest in cooperative undertakings in the pharmacologic field, Dr. Anderson commented on the importance and value of research as follows:—

Research may be given a number of definitions. It may be defined as the diligent investigation by trained workers of some phenomenon or a series of phenomena by the experimental method, the object sought being to find new facts, to coordinate them as laws, and by the application of these facts and laws to discover things or methods that will add to the sum of human knowledge and happiness.

In a review of the history of many of the pharmaceutical and biological member firms, one's attention is attracted to the fact that they had their origin in the intense desire of some doctor or pharmacist to improve the medicines or drugs then available. These men realized that it was not sufficient to want better drugs for the relief of pain or treatment of the sick, but that it required research to find how to make them better.

Therefore, from the beginning, the drug industry realized the vital necessity for research, not only to find new drugs, but also better drugs and improved methods of production, including testing and control.

In the early days the greater emphasis was on what may be termed plant research rather than on the discovery of

Dr. John F. Anderson
Retiring A.D.M.A. President

new products, and but little study was given to pure or fundamental research. In recent years there has been a definite increase in pure and what may be termed "fundamental" research, and the search for new compounds or principles without, however, any lessening of the important plant studies.

This has been coincident with a great extension by almost all of our pharmaceutical and biological members of their research facilities, and in several instances, the building of great laboratories to house them.

The research activities of these firms may be broadly divided into three divisions or classifications:—

Plant Research

This type of research has always been well supported by the management of member firms. It is of great importance not only for maintaining the high quality of products, but also because it oftentimes results in finding new and better ways of manufacture and a lessening in the cost of production. It is often of as high an order as that resulting in the discovery of a new antibody, a new chemotherapeutic agent, or a new hypnotic. Those interested in this type of work often do not see their discoveries appear as published articles or as papers read at society meetings, but only upon the prosaic record of a lot or batch ticket.

Plant research will now be of even greater importance than in the past because label and advertising claims, under the food, drug, and cosmetic act, must be supported, when required, by reliable laboratory data in many instances requiring elaborate and prolonged experimentation.

Pure and Fundamental Research

In recent years it has been evident that the drug industry is devoting more effort to what may be termed "pure" research as contrasted with plant or product studies. This is a most constructive extension of research by member firms, and undoubtedly will receive increasing emphasis in the years to come. With the modern laboratories, fine apparatus and equipment, and scientific personnel of the highest qualifications as now possessed by many of our members there exists no reason why the results of studies made by them should not assume as great a value as those made in institutions or universities not supported directly by industry. We only have to recall the work from the research departments of other industries such as the Bell Telephone Company, General Electric and Westinghouse cor-

A.D.M.A. Officers for 1939-40

President, S. DeWitt Clough, of Abbott Laboratories, Inc., North Chicago, Ill.

First vice-president, John G. Searle, of G. D. Searle & Co., Chicago.

Second vice-president, Frederick S. Stearns, of Frederick Stearns & Co., Detroit.

Third vice-president, George W. Merck, of Merck & Co., Rahway, N. J.

Executive vice-president and secretary (elected by the executive committee), Carson P. Frailey, Albee building, Washington.

Treasurer, Robert Lincoln McNeil, of McNeil Laboratories, Inc., Philadelphia.

General counsel and chairman of the committee on legislation (elected by the executive committee), Leslie D. Harrop, of the Upjohn Company, Kalamazoo, Mich.

Additional members of the executive committee, Dr. A. W. Lescohier, of Parke, Davis & Co., Detroit; Dr. L. N. Upjohn, of the Upjohn Company, Kalamazoo, Mich.; John S. Zinsser, of Sharp & Dohme, Inc., Philadelphia; M. C. Eaton, of the Norwich Pharmacal Company, Norwich, N. Y.; Dr. John F. Anderson, of E. R. Squibb & Sons, New Brunswick, N. J.

The New President

S. DeWitt Clough, the new president of the American Drug Manufacturers Association, is president and general manager of Abbott Laboratories, Inc., North Chicago, Ill. He has been associated with the Abbott company since 1903.

S. DeWitt Clough
New A.D.M.A. President

Mr. Clough was born in Chicago June 30, 1879, the son of Walter and Salena (Wells) Clough. His early business activity was in the publishing field, and just prior to his taking up publicity work for the Abbott company he was Western manager for the *American Printer*, *Newspaperdom*, and *Business World*. His activity in the field of publicity has been prominent, and he has contributed frequently to discussions of this subject at meetings of the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association, also in organizations not connected with the drug industry. He was president of the Chicago Advertising Association from 1912 to 1914.

Serving as advertising manager for the Abbott company and its publication, *Clinical Medicine*, for many years, Mr. Clough was elected a director of the company in 1922, and secretary in 1923. Later he was elected a vice-president, and in 1933 he was elected president of the corporation, succeeding Dr. Alfred S. Burdick, deceased.

Mr. Clough and Miss Elizabeth Wimpenney were married in Chicago in 1907. They have one son, Sherman DeWitt Clough. Mr. Clough is a Mason, a member of Edgewater lodge, Chicago, and a member of the Consistory and the Shrine. He is also a member of the Woodmen of the World and the Royal Arcanum. He is a member of a number of clubs, including the Bonnie Brook Golf and Engineering Advertising organizations.

MAY 1939 XUM

Jim Kerrigan, of Merck, supports Jules Berninghaus, of Monsanto, as a greeter

porations, the du Pont corporation and others, to know that such will be the probable result. In the past the major contributions of new therapeutic substances or principles have come from government supported or privately endowed laboratories, but I am confident our industry supported laboratories will make important contributions in the years to come.

It will be of increasing importance in the case of those products classed as "New Drugs," that our research men determine beyond a question of doubt the safety not only of the active principle, but also of the menstruum or vehicle, as well as the final product. This demands chemists, biologists, and pharmacologists of high training and ability. While the major effort in the field of pure research will be to develop or discover new products for the relief of pain and the treatment of disease, it would be unfortunate if sight was entirely lost of what Abraham Flexner has termed "the usefulness of useless knowledge." In this connection he pointed out that it often happens that the ceaseless quest for the useless will—sometimes soon and sometimes later—result in conferring some great practical boon upon harassed and floundering mankind.

Clinical Research

Clinical studies by competent and critical physicians constitute the third division or classification of research as it relates to the pharmaceutical and biological industry. It has always been desirable and often necessary that after a new product or principle has been thoroughly studied in the laboratory by the pharmacologist or biologist, it must then be cautiously used at the bedside. We know, however, that this has not always been done, but the new food and drug act will require that for new preparations clinical studies are imperative. This, of course, should always have been so as in no other way can we be absolutely sure that a preparation is safe to use on human beings, that it will relieve pain without untoward effects, or that it will prevent or cure disease.

Each of these three divisions of research is essential for its own particular purpose and all three are required and demanded by the progress in the business of producing and distributing safe, reliable and potent pain-relieving, health-promoting and oftentimes life-saving products.

Medical Patents

With reference to the proposal of centralized control of the use of patents on medicinal agents, Dr. Anderson said:—

Another question I discussed last year at some length was that of medical patents. This subject has been receiving increasing attention, particularly by the medical profession, and as a result the board of trustees of the American Medical Association called a conference in Chicago, March 16, to discuss the subject of medical patents in relation to the public welfare. More than a hundred persons were present, representing various groups such as the medical profession, universities, independent research institutes, manufacturers and sociologists.

Invitations were extended to six individuals to discuss the subject—two from the standpoint of the licensor, two to present the manufacturers' viewpoint—both members of our association—and one each from the council on pharmacy and chemistry and the laity. Your president was invited to speak from the viewpoint of the manufacturer and presented an address setting forth what appeared to me to be the reasonable viewpoint of the manufacturer to medical patents in relation to public welfare.

No action was taken at the conference, but the statement was made that probably another meeting wouldq be called, at which a definite plan or procedure might be proposed for the control of medical patents. The proceedings of the conference were commented upon in an editorial in the *New York Times* which stated among other things that it is a serious question whether any private organization should be permitted to interfere with the control and legal processes of exploiting inventions and discoveries. The editorial also stated that there was good reason to believe that the incentive to conduct research might be chilled if the limited and legal monopoly granted by patent law were curtailed. We shall, in the next year, I am sure, hear more about plans by the medical group for administering medical patents.

Commenting on the status of the drug industry, Dr. Anderson said that he regarded recent developments in statutory control in conjunction with the progress made by the industry as support for his belief that there had been a continued growth of confidence and respect by the public in the progress and value of the industry.

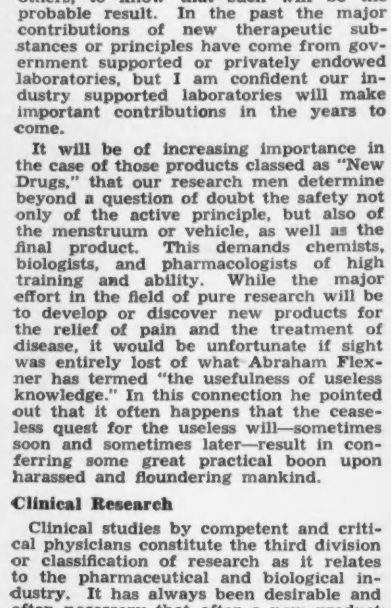
He concluded his address with comment on the growth of the association in numbers—four new members had been enrolled during the year and the present membership of fifty-eight is double what it was in 1912—and in service to its members. He spoke with earnest appreciation of the work of the executive vice-president and his associates on the headquarters staff, and expressed gratitude for the kindness and courtesy that he had had from all during the two years of his presidency.

In recognition of Dr. Anderson's services as president of the association he was presented at the annual banquet with a silver cocktail set. The presentation was made by S. DeWitt Clough, newly elected president. Mrs. Anderson was presented with a beautiful basket of flowers.

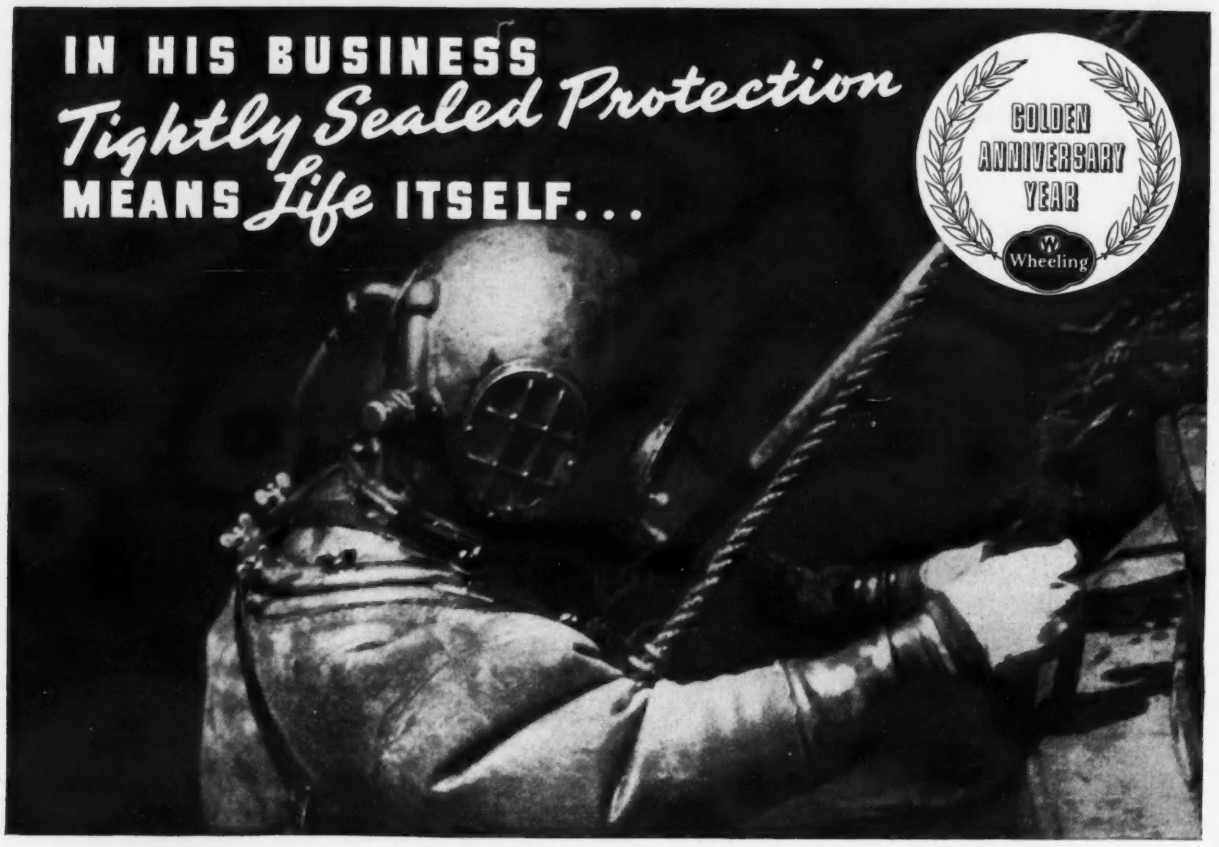
Report of Executive Vice-President

A philosophy of faith in the lessons of experience and in reliance on proven abilities tinctured the report of Carson P. Frailey as executive vice-president and secretary. Deploring defeatism, Mr. Frailey looked upon the situation engendered by the new food, drug, and cosmetic act and related legislation as one in which, because of the incentive to do fundamental research, the drug manufacturing industry would "continue to move forward with increasing satisfaction as evidence of our abiding interest in protection of the public health and as a demonstration of the vitality and ability of the members of this association not only to keep in advance of, but to successfully cope with every challenge."

Increasing interest on the part of members of the association in export marketing was noted by Mr. Frailey, and he commended the helpfulness of the Federal departments in this connection. He mentioned briefly also the



Among the day's arrivals at The Homestead: The F. J. McDonoughs, of Long Island



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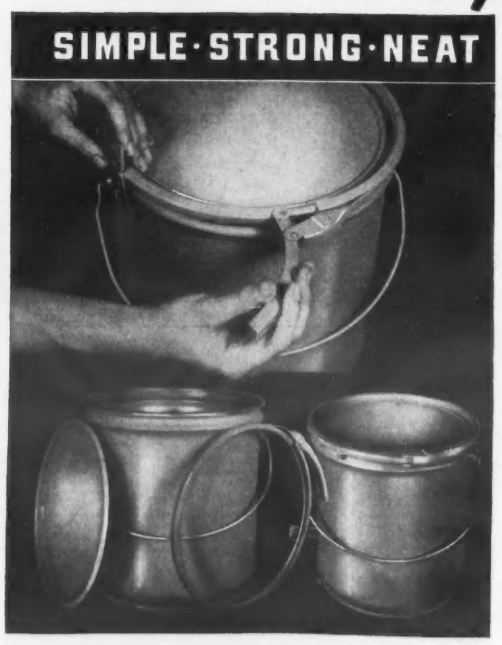

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wage-and-hour law, in respect of which it was his opinion that "the only realistic attitude appears to be one of judicious administration and reasonable acceptance."

Socialized Medicine

With reference to the movement toward socialized medicine, Mr. Frailey said:—

There are those within the conservative group of business leaders who apparently believe that some form of socialized medicine is inevitable in this country. But they feel that constructive guidance should be applied to keep the pendulum from swinging too far. This class of students of social and economic affairs, though presumably opposed to group

Carson P. Frailey
A.D.M.A. Executive Vice-President and Secretary

medicine, are inclined to look upon the founding and development of our public school system with its equality of opportunity for an education as a precedent for and counterpart of the present movement designed to provide equality of opportunity for medical care.

What the final outcome will be is still in the realm of the speculative. Even if group medicine be quite generally adopted by local assemblages, manufacturing pharmacy as represented by this association will still be able to preserve and maintain its industrial independence and liberty if it continues to dedicate itself in full measure to a program of intensive and fundamental research. The industry must resist every attempt to delegate research leadership.

Publication of a new edition of the trademark list was reported by Mr. Frailey, and he was of the opinion that the value of this compendium would be greatly increased by the labeling demands of the new food, drug, and cosmetic law, which he felt would result in a widespread adoption of fanciful names for preparations containing a variety of active ingredients. The functioning of the trademark bureau was briefly explained.

After concisely stating the activities of committees, with special reference to the legislative unit, Mr. Frailey commented on special services provided for members, saying:—

It is very difficult, if not impossible, to describe to you what has certainly become the outstanding function of the Washington office—special service to members. It represents a private transaction between the member and the office and is rendered on personal call or through correspondence. Many of you here have had opportunity to appraise its value and can testify as to whether or not it provides a satisfactory return on the investment you carry in the association through the annual dues. Please bear in mind that we are there to cooperate, and you are urged to utilize our facilities to the fullest possible extent.

Social Security

With reference to the Federal program of social security, Mr. Frailey said:—

According to the third annual report of the Social Security Board, the year 1938, like the years preceding, saw a notable development in both the extent and the effectiveness of the program. Reports of earlier years have recorded the wholehearted acceptance of the goal of social security by the American people, the introduction states. Many obvious gaps in present provisions for social security and in administrative procedure are apparent to the Social Security Board and other Federal agencies concerned, to the States, to employers, and to workers, it is pointed out in the report. But, it goes on to say, it is evident that the performance under the several programs has more than justified reasonable expectations.

The board is convinced, the report indicates, that permanent and lasting progress toward social security can be attained only by maintaining a careful balance between the measures undertaken and the means in terms of money and of administrative skill at the disposal of the States and the Federal government. No greater disservice could be done to persons who are in need of more adequate financial assistance—the presentation emphasizes—

Robert Lincoln McNeil
A.D.M.A. Treasurer

than to hold out hopes which cannot be justified by the nature of the social security program or by the resources which are or can be made available for its development. By implication this latter comment might be construed as the boards' answer in broad terms not only to the Townsend plan, but to the proposal which has come from industries in which there is stabilized employment for more general recognition of liberal merit or experience rating provisions in State unemployment compensation laws.

No attempt will be made here to debate the issues involved in the latter, since that falls more properly within the scope of the report of the committee on employment problems. Suffice it to say that our association has gone on record in favor of merit rating and largely for the reason that it provides employers a definite incentive to stabilize employment which is of fundamental importance in any system of economic security.

The Dow Twins — "Doc" and "Rock" — flank Joe Wolff, of Frederick Stearns & Co.

Treasurer's Report

An increase in the financial reserve of the association was reported by the treasurer, Robert Lincoln McNeil, who gave the following data for the preceding fiscal year:—

Receipts	$35,523
Expenditures	34,111
Balance on hand	14,570

The year's budget had been set at $34,072. That for the ensuing year placed receipts at $37,093 and expenditures at $35,071. Special services have added to the cost of operations.

Legislative Report

An account of its participation in the hearings on regulations under the new food, drug, and cosmetic act was given by the legislative committee through Horace W. Bigelow, chairman. The chief part of this had been the preparation of a brief, and the presentation of informative data by Charles E. Vanderkleed and Frank O. Taylor. The committee laid on nobody the responsibility for the lateness of the promulgation of the regulations. Brief mention was made of the attempt to legislate postponement of the certified color and certain labeling provisions of the law. The committee's opinion was that the proposed method of cease and desist orders might be good or bad.

Preparation of a model form of guaranty under the law, in conjunction with representatives of other organizations, was reported by the committee. The desirability of uniformity in this respect and also in State laws supplemental to the Federal act was emphasized. The point was made that drug manufacturers had pioneered in the movement for uniform State laws in harmony with the Federal act.

A subcommittee had been active in connection with the determination of a minimum wage for the industry under the public contracts law. The prevailing rate had been advocated. No de-

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One of the six dozen assorted m i n i c a- maniacs in action

Bob Magnus carries his transportation duties right up to the portals

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Barky Penick returns a smashing backhander

Frank Law all set for a long, long drive

cision had yet been announced, but it was expected that a decision would be made soon.

Mr. Bigelow asked to be relieved of further service as counsel of the association and chairman of the legislative committee—he had served seventeen years. His services were appreciatively commended by President Anderson and he was given a rising vote of thanks.

In recognition of his long and valuable services Mr. Bigelow was made

Horace W. Bigelow
Retiring A.D.M.A. General Counsel

an honorary member of the advisory council—composed of former presidents—and was presented at the banquet with a silver set of candlesticks and compotier. Mrs. Bigelow was the recipient of a handsome floral offering.

A resolution was adopted on the motion of N. H. Noyes, of Eli Lilly & Co., expressing gratitude and thanks to Parke, Davis & Co. for its generosity in having made the services of Mr. Bigelow available without cost to the association.

The executive committee named Leslie D. Harrop, of the Upjohn Company, chairman of the legislative committee for 1939-40. The committee created the post of associate chairman, to which Walton M. Wheeler, jr., of Eli Lilly & Co., was appointed by President Clough.

Memorials

By fitting, appreciative and recognitory language in the report of the committee on memorials, presented by John G. Searle, and by a silent moment of standing, the convention paid tribute to the memory of four deceased members—Macom G. Foster, Charles C. Neale, Benjamin T. Fairchild, and Norman A. Buttle.

Insurance

The modern trend toward broader forms of insurance, general cover fire insurance, extra expense insurance, and group hospitalization were discussed in the report of the committee on insurance problems, presented by Dr. Paul S. Pittenger. The conclusions of the committee on the first of these topics were expressed as follows:—

If it were possible for an insurance company to insure all of the risks of a business, it should certainly be more economical as the unfavorable experience on one kind of insurance might be offset by the profitable results of another. Inspection and supervising expense would not be duplicated and there would not be the same division of responsibility as there is under the present scheme. There is a well-known story of a casualty company which had insured the contents of a building against damage by sprinkler leakage and bursting of pipes or tanks. They sent out an inspector who went to the roof of the building, inspected the water tank and found it to be in good condition but dry as a bone. Accordingly, he reported to his company that the risk was satisfactory. Subsequently, a fire occurred, and the fire loss was greatly augmented by the low water pressure. The fire insurance company, when it happened to learn that the inspector had found the tank empty, asked him why he did not report it to the fire insurance company. His reply, so the story goes, was that he had no concern with fire insurance.

There is a natural objection on the part of careful insurance underwriters to rapid change in the present practices. One writer says that insurance carriers will contend that extending their policies to cover all risks, known or unknown, conceivable or inconceivable, might impair the security to holders of policies covering against loss from specified causes.

Notwithstanding the objections which will no doubt arise, it is apparent that the trend toward broader insurance coverage is definitely on its way and the result should be beneficial to insurance buyers in general not only in the quality of the protection but in the cost as well.

The principles of general cover fire insurance and extra expense insurance were concisely explained, as were their particular applications in the drug manufacturing industry. With reference to group hospitalization, the committee outlined the plan offered by life insurance companies and that of nonprofit organizations. Its feeling was that all employers should offer group hospitalization to their employees in a favorable light, but that the selection of a plan should be based on full consideration of the merits in each individual case.

Labor Relations

An analysis of the effects of the national labor relations law was presented in the report of the committee on employment problems by Wilbur F. Campbell, of Frederick Stearns & Co., chairman. The committee was at a loss to explain the enormous increase in 1937 in the number of strikes in industry at large, and was not inclined to accept the view that this was a temporary and passing phenomenon of a revitalized labor movement. A 50-percent decrease in 1938 in the number of strikes did not convince the committee that the labor relations act was functioning satisfactorily because the number was still larger than that for any year between 1921 and 1933.

Governmental intervention in the field of labor relations, in the opinion of the committee, had substituted one wrong for another—if it were admitted that suppression of unions and government by injunction had been responsible for changes in relations. The committee found faults in the law, to which, it felt, could be attributed the unsatisfactory situation in labor relations. It considered amendment of the law desirable and necessary, and its report presented discussions of eight proposed amendments.

In respect of these amendments the committee expressed the following conclusions:—

1—The objective of the law should be restated so as to recognize that employers are not the only people whose practices may cause, and have caused, obstructions to, and burdens upon, interstate commerce.

2—The law should recognize the right of men to join labor organizations, but it should also recognize that those who belong to organizations represent only a small minority of all workmen, and that the right not to join is entitled to the same protection as the right to join.

3—The law should be equalized by prohibiting certain unfair labor practices on the part of employees and labor organizations, as well as on the part of employers.

4—The law should forbid a closed shop arrangement under which an employee may be required to join a labor organization as the price of securing or retaining employment. The check-off is a practice which should be forbidden. If a labor organization can exist on the merits of its services and benefits to employees, and secure their voluntary affiliation and voluntary support, it should be permitted to do so. The law, however, should not permit any arrangement under which either employers or labor organizations, or the two acting in concert, may compel the continued membership of a man in a labor organization or his financial support of same by enforced contributions, whether deucted by the employer and paid to the labor organization or exacted directly from the worker.

5—The law should be amended to afford proper protection to the employer by prescribing minimum standards of conduct for those with whom he is compelled by such law to deal.

6—The administration of the act has in certain cases limited the right of employers and employees to freely confer about their mutual problems and has so imposed a serious impediment to free speech between employers and employees. It is not enough that in a particular case an employer might be able to get redress from the courts; the law itself should reiterate the right of free speech as between employers and employees. Labor organizations allege that such an amendment is not necessary and say it would be merely writing into the law a statement of undoubted constitutional right. However, it should be remembered that it was deemed necessary to write into the law a provision safeguarding the right to strike even though the existence of that right was unquestioned.

7—It has been charged that administration of the act has favored one type of labor organization over the other. Such power of discrimination should be clearly restricted.

8—The law should be amended so as to assure a fair trial and adequate court review to all those accused of violating any provisions of the law. Important changes should be made in the law to insure that the administrative body charged with the enforcement of the law shall operate under reasonable restrictions as to hearings, admission of testimony, the subpenaing of witnesses, etc., so as to assure that fair and full consideration which the court has declared to be a matter of common right under our form of government. If labor had demonstrated any real disposition to correct its abuses in recent years, there might be some basis for expecting employers and the public to forbear and await relief on the assumption that labor itself would provide it as soon as it was fully organized. Such an expectation is contrary to history and experience. There can be little permanent improvement in business morale or confidence unless and until government again accepts the role of impartial umpire and proclaims to all groups alike that their efforts must be conducted within the bounds of reason, fair play, and a law which recognizes the equities of all.

Transportation

Because of their unsatisfactory financial conditions many railroads have proposed increases in rates, said the committee on transportation in a report read by Secretary Frailey in the absence of the chairman. The report told of the increase of l.c.l. rates on drugs and related articles in Official Classification Territory to 77.5 percent of first-class, and the abandoning of a proposal to substitute a full classification basis, and an increase to 75 percent in other territories. The work of the committee had played a large part in preventing larger increases, and later brought about reductions in Southern, Southwestern, and Western territories.

The committee was also successful in having a proposal to increase carload rates dropped.

Some advances and some reductions in motor truck rates during the year were reported.

Activities of the committee in connection with regulations for rail, truck, and water transportation of hazardous articles were related. Special attention continues in respect of the revision of water carriers' rates and rules.

Several members of the association voiced appreciation of the money-saving work done by the committee on transportation, and the convention voted its appreciation of the services of the chairman, L. J. Armstrong, of Parke, Davis & Co.

The nominations for officers and other members of the executive committee were presented by Charles G. Merrell, and the committee's selections were unanimously approved. The roster of new officers is printed on page 47.

Drug Law Problems

Various aspects of the new food, drug, and cosmetic law were discussed by Dr. J. J. Durrett, principal technical adviser of the Food and Drug Administration, and Dr. Paul Nicholas Leech, secretary of the A.M.A. council on pharmacy and chemistry, in talks to the convention.

Dr. Durrett's major topic was the new drug section of the law. He told in detail what the administration expected in the way of information in connection with applications to market a new drug. His remarks made it quite plain that, although the administration intends to be cooperative and tolerant, it will insist that the information required by the law in applications on new drugs and in drug labeling shall be sufficient to effectuate the major purpose of the act; that is, adequate protection of the consumer.

Dr. Leech explained the requirements of the council on pharmacy and chemistry for acceptance of a drug and pointed out wherein these differed (usually in the direction of greater stringency) from the provisions of the food, drug, and cosmetic act. He also made the point that the council is not inclined to mitigate its rules.

[Neither Dr. Durrett nor Dr. Leech has yet made available a revised copy of the transcript of his remarks. To quote either speaker from notes might easily misrepresent him and also mislead those who regard the information from these sources as authentic and

The experts observe and confer—

As the ladies putt

reliable. More detailed reference to the official position stated by Dr. Durrett and his answers to specific questions is therefore being deferred until a copy of his remarks is available. Likewise, quoting of Dr. Leech is deferred until a later issue, when his remarks have become available in a form approved by him.—Editor, OIL, PAINT AND DRUG REPORTER.]

Packaging and Storing

Another angle of drug law requirements—official packaging and storing—was discussed before the scientific section by John F. Ross, of Mallinckrodt Chemical Works. He pointed out the general nature of these requirements, in some 300 instances, in respect of type of container, temperature of storage, and protection from light.

Mr. Ross said that the U.S.P. committee probably would revise its requirements so that other noncorrosive closures—screw caps and the like—could be used in place of glass stoppers. He felt that the question of temperature was more largely one of time in transportation and on distributors' shelves than under manufacturing conditions, because control in the former instances was difficult.

Both producer and distributor, also the consumer, have a responsibility in respect of protection against light, Mr. Ross said. Necessity in this direction had been greatly reduced, he added, by refinements in manufacturing. The Mallinckrodt company had made a study of stability of a number of official products, including the factors of temperature and light. This work had been carried to completion of the getting of data, but the results had not yet been tabulated.

Standards and Tests

Dr. F. O. Taylor, of Parke, Davis & Co., commented on some peculiarities of the official standards for jalap resin, pointing out the variations in chloroform-solubility caused by moisture. This matter, he said, was being specially studied. J. P. Snyder suggested revision of the standards so as to harmonize those for jalap root and the resin. He, as well as Dr. Taylor, was unable to understand the significance of the chloroform-solubility test. E. N. Gathercoal told of experiments with jalap root, stressing the necessity for a definite moisture standard preliminary to solubility testing.

L. A. Watt, of the Monsanto Chemical Company, discussed a number of chemical tests and standards. With reference to bismuth salts he suggested the wisdom of an "as is" basis, rather than dried, for assaying. Variations in the moisture content of saccharin and soluble saccharin were discussed, and the point was made that caffeine is usually a practically anhydrous powder, not "silky needles."

It was Mr. Watt's belief that official descriptions should meet the article that is in general use.

Discussing tests for distinguishing mild and strong silver proteins, Dr. E. H. Volwiler said that a modification of the ammonium sulphate method gave dependable results, and the committee on synthetic organic chemicals had recommended adopting of this by the U.S.P. revision committee.

Dr. Volwiler presented a great many data from the work of a number of laboratories with five methods for the estimation of iodine in tetraiodophenolphthalein. He recommended further work with Butler-Burdette alkaline permanganate test. Dr. George D. Beal said that, while this test had given concordant results in his work, he had found evidence of free iodine at the reduction stage. He suggested the use of hydrazin sulphate, instead of sodium bisulphate, as the reducing agent. He differed with other observers on the influence of using eosin as the indicator.

Frederic Fenger, of Armour & Co., discussing digestive ferments and glandular products, referred to the desirability of getting a uniform potato starch for use in testing pancreatin. Domestic starches, he said, had not been found satisfactory. Mr. Fenger also reported some work done with reference to establishing a cholic acid basis for the assaying of oxgall tablets.

Drug Extraction

Much has been done to improve the extraction of drugs, in making fluidextracts, said E. N. Gathercoal, chairman of the N.F. revision committee, but much remains to be done in the technic and in the standardization of preparations. His proposal was not a uniform method for all drugs but a uniform method for each drug, properly determined to be fitted to its peculiar properties and the purpose of the extraction.

The influences and results of drying, decomposition, and other phenomena were discussed by Mr. Gathercoal, and he felt that many things were to be studied and understood in order that better processes might give better products and thus enable the improvement of official monographs.

Mr. Gathercoal spoke earnestly about the possibility of the government's taking over the work of determining standards and tests for drugs. He felt that pharmacy could do a better job and he urged that a better job be done in order that pharmacy might retain the "last big thing that remains to it professionally." He said that the doing of a better job would require more abundant funds, and he urged that consideration be given to means of providing these.

A general view that the drug industry should extend its interest in standardization work and should push research accordingly was the consensus of comments by J. P. Snyder, F. O. Taylor, A. C. Boylston, E. L. Newcomb, C. P. Frailey, A. D. Holmes, F. F. Berg, R. L. Swain, and others. It was said that manufacturers desire to work closely with the revision committees; were striving to provide helpful information. It was argued that governmental officials were desirous of working with the industry. The point was made that the industry should not be forced to accept standards or tests in which it had no confidence—the recent issuance of a new method for vitamin B_1 assay was mentioned.

Various aspects of work along several lines in the assaying of vitamins were reported by A. D. Holmes (chiefly biologic), Charles L. Barthen (spectrometric), and R. J. Fosbinder (chemical).

Contacts and Catalogs

The contact committee, said J. P. Snyder, chairman, had changed its scope in order that due consideration might be given to the new drug law. Particular attention was given to the provisions of section 502 (a) (2) with reference to exemption of small packages from labeling requirements as to weight, count, or measure of contents. The committee had recommended that packages containing less than 2 ounces be considered small in the statutory sense. The regulations under the law make exception only of packages of less than six units when these are easily counted without opening the container. The committee felt that this regulation did not comply with the spirit of the law.

Because arsenic is generally present in minute quantities in crude botanical drugs, the committee felt that, as a result of its report to the Food and Drug Administration, no action would be brought because of naturally occurring arsenic.

Work of the subcommittees on certified colors, packaging and storing, and physical tests was briefly mentioned in the committee's report.

The committee reiterated its demand for the periodical issuance of supplementary revisions of the pharmacopeia and advocated similar action by the N.F. committee. The present method of interim announcements, it felt, did not meet the needs of the industry. A second supplement to the pharmacopeia, it was reported, would be issued during the Summer.

Because of the new drug law the committee on catalog simplification had a new line of work, said W. J. Rice, of Eli Lilly & Co., chairman; its work during the year had brought about a better understanding of the law's labeling requirements. Many changes had been made in the names of drugs which had contained the term, "Compound." The general principles in such changes were, first, to name both ingredients in the title of a drug containing only two active ingredients; second, name two or more of the therapeutically predominate or potent ingredients, but not necessarily all of the active ingredients, in combinations of three or more active components; and third, omit "compound" from a title if all of the active ingredients are named in the title.

In addition a number of revisions had been made in order to get away from the use of U.S.P. and N.F. titles for preparations varying from the official formulas. A few formula changes had been adopted, and a revised nomenclature for the various Hinkle pill and tablet combinations had been outlined, because of changes in the formula of the N.F. pill.

Revision of Standardized Titles and

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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Two-hundred-seventy-seventh Instalment

Mucilage

Clarifying Agents for Mucilage

(Mucilages are clarified by filtering under pressure, also centrifugally)

Activated carbon
Animal charcoal
Asbestos
Bentonite
Boneblack
Cellulose
Charcoal
Cheesecloth
Clay
Clearit
Cotton
Darco
Diafilt
Diatomaceous earth
Filtrol
Fossilite
Fossil flour
Fuller's earth
Kaolin
Kieselguhr
Muslin
Neutrol
Nonsilite
Norit
Nuchar
Paper pulp
Porcelain, unglazed
Quartz, ground
Sand, white
Silicates
Silicon
Suchar
Super-filchar
Talc
Tissue paper, heavy
Tripoli

Materials Used in Making Mucilage

Acacia
Aluminum sulphate
Dextrin
Glue
Irish moss
Karaya gum
Pectins
Quince seed
Rye flour
Senegal gum
Sodium hydroxide
Starch
Tragacanth
Wheat flour

Odorants for Mucilage

Aquaromes
Birch oil
Bitter almond oil
Canellia
Capreol
Capriol
Carnation 6689, 4673
Cedar oil
Cinnamon oil
Citrene
Clove oil
Coloromes
Cularia
Elanthus
Florene
Formaromes
Fougere
Geranium monde
Jasmin odor
Lavender oil
Lilac odor
Linalyl acetate
Locust odor
Methyl salicylate
Muguet odor
Oriental odors
Osols
Paradinol
Parapine
Pineoleo
Rose odors
Sassafras oil
Soap series A
Vanillel
Violet, para
Wintergreen oil

Preservatives for Mucilage

Acetic acid
Alum
Aluminum sulphate
Aseptex
Benzoic acid
Beta-4-hydroxy-3-carboxylphenyloctane
Betanaphthol
Boric acid
Brucine anilide-acetate
Cresol
Cresophan
5-Chlor-2-hydroxydiphenylmethane
Dihydroxydichlorodibromodiphenylmethane
Dimethylglycol
Dimethyleneglycol
Dowicide
Ethylenediphenylphosphonium bromide
Ethyl-mercury compounds
Ethyl-mercury-chlorophenol
Formaldehyde
Furfural
Furoic acid
Guaiacol
Hydrofuramide
Lactic acid
Mercury-amino chlorides
Mercury-ethyl derivatives
Metaphene
Moldex
Moldol
Monobromonaphthol
Orthocresol
Palustrex
Parachlorometacresol
Paraformaldehyde
Phenol
Polyhydric alcohols
Presentole
Prophyleneglycol
Rare earth acetates
Salicylic acid
Salicylanilide
Shirlan D
Sodium benzoate
Sodium hypochlorite
Sodium orthophenylphenate
Sodium salicylate
Thymol
Trimethyleneglycol
Uniexol A
Vucinotoxin
Zinc sulphate

Solvents Used in Making Mucilage

Alkaline solutions
Glycerin
Hydrogen peroxide solution
Linseed oil, boiled
Turpentine
Water

Mucin

Solvents for Mucin

Alkali chlorides
Alkali hydroxides
Alkali phosphates, tertiary
Alkali salts
Eucalyptol
Menthol
Potassium chloride
Potassium phosphate
Sodium acid pnosphate
Sodium bicarbonate
Sodium chloride
Thymol

Naphthalene

Catalysts for Hydrogenation of Naphthalene

(Continued from May 8 issue)

Chromium oxide
Chromium vanadate
Cobalt chromate
Cobalt molybdate
Ferric chloride
Ferric chromate
Ferric vanadochromate
Ferrous chromate
Ferrous vanadochromate
Iron molybdate
Iron molybdochromate
Iron oxide
Molybdenum compounds
Nickel chromate
Nickel molybdate
Nickel vanadate
Nitric acid
Oxides
Palladium oxide
Vanadium compounds
Vanadium oxide
Vanadium pentoxide

Catalyst Carriers Used in Treating Naphthalene

Alumina
Asbestos
Bauxite
Clay
Glass
Metal cylinders
Pumice

Reagents for Purifying Naphthalene

Aluminum chloride
Barium tungstate
Metaphosphoric acid
Phosphoric acid
Phosphorous
Potassium-aluminum sulphate
Pyrophosphoric acid
Sodium chloride
Sodium hydroxide
Sodium metaphosphate
Sulphuric acid

Reagents for Sulphonating Naphthalene

Chlorosulphonic acid
Oleum, 75 percent
Sulphonic acids
Sulphur trioxide
Sulphuric acid

Solvents for Naphthalene

Absolute alcohol
Acetone
Arsenic tribromide
Ammonia
Benzene
Blast-furnace tar oil
Bromine
Cokeoven tar oil
Difluorotetrachloroethane
Di-normal-butylamine
Ethyl acetate
Ethyl alcohol
Ether
Gasoline
Hydrocarbons
Isopentylamine
Naphtha
Monochloronaphthalene
Orthodichlorobenzene
Petroleum
Petroleum residue
Phenylmethylamine (hot)
Phthalyl chloride
Shale oil
Sodium sulphoricinate
Tetralin
Tetrachloronaphthalene
Tetrahydronaphthalene
Toluene
Tribromoacetic acid
Triethylamine (hot)
Trifluorotrichloroethane
Tri-normal-butylamine
Turpentine
Xylene

Solvents for Removing Naphthalene from Illuminating Gas

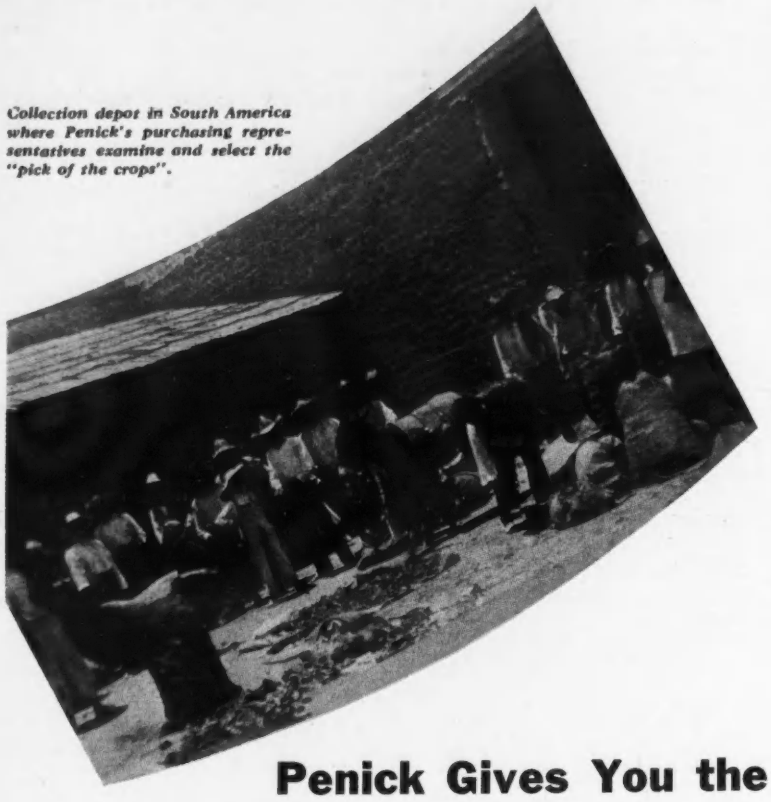
1:3-Dimethylbenzene
Metadimethylbenzene
Metaxylene

Special Reagent for Testing Naphthalene

Aluminum chloride (Schwarz test)

MAY 1939

WHAT HAVE THESE INDIANS TO DO WITH YOU?



Collection depot in South America where Penick's purchasing representatives examine and select the "pick of the crops".

.... plenty, if you use botanicals that come from the countries south of us. Quite a number of important crude drugs are obtained from South America—and Penick's expert purchasing agents select the "pick of the crops" just as they do in other countries the world over. Our laboratory staff sees to it that every lot meets Penick standards before it goes to our centrally located warehouses for prompt shipment on orders .... In botanicals, remember, no matter where it comes from—

Penick Gives You the "PICK OF THE EARTH"

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK 1228 W. KINZIE STREET, CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Formulas was under way, and publication of a new edition by the end of the year was expected.

R. J. Fosbinder, of the Maltbie Chemical Company, was elected chairman of the scientific section, succeeding F. F. Berg, of E. R. Squibb & Sons.

Entertainment Abundant

Well-handled arrangements and schedules provided an abundance and variety of entertainment during the convention, all of which was enjoyed by every one of the 234 persons attending. The formal, or official, efforts and offerings of the entertainment committee, were supplemented—more from desire than from necessity—by numerous private undertakings all the way from luncheons, to mint julep parties, and fishhouse punch conclaves. Then, too, the natural attractions of the Hot Springs vicinity for pedestrians and equestrians, botanists and avifaunologists, and simple lookers-about helped to make every hour a good time, in spite of meteorological vagaries.

There was a concert in the great hall of the Homestead Sunday evening.

Monday brought luncheon and bridge at the Cascades Club for the ladies, the president's reception, and dancing—also golf.

Tuesday the ladies played cards in the casino; many golfers played through or between showers; the entertainment committee had a cocktail party; there was a top-notch floor show in the evening, composed of vocal and instrumental music, other singing, legerdemain, mind-reading, fancy skating, and other metropolitan features—and then there was dancing.

Wednesday was tournament day—and banquet night. The official golf contest was played; the postponed tennis matches were staged; the ladies putted for prizes. The banquet was an extraordinarily merry affair, largely because of the entertaining discourse by Prof. William Lyon Phelps on "The Art of Living." Professor Phelps, it was clear, has reduced life to a pleasant art; his philosophy is homely and commonsense, blending independent individualism with a kind regard and understanding of others. He can relate it well, without academic phrase or dogmatic pronouncement. His eloquence falls pleasingly upon the ear—and it has an undertone that sinks deep with significance. Everybody—himself included—enjoyed Professor Phelps at the banquet and in informal chats before and after.

Victor E. Williams
General Chairman of A.D.M.A. Entertainment

The golfers and the tennis-players who deserved such recognition got their prizes during the banquet session. And there was an additional item of interest in the presentation of silver mementoes (as mentioned hereinbefore) to Dr. John F. Anderson, retiring president, and Horace W. Bigelow, retiring veteran general counsel.

Golf and Tennis

Golf maintained its predominance among A.D.M.A. convention pastimes, and in spite of an abundant supply of prizes, there were not quite enough to provide one for each of the many contestants in the tournament.

The successful contestants are classifiable as follows:—

Qualifying low gross, H. A. B. Dunning.
Tournament low gross, J. H. F. Dunning.
Tournament low net, A. C. Boylston.
First flight:—Low gross, Ralph R. Patch; low net, Carl W. Angst; second low net, E. A. Cahill.
Second flight:—Low gross, N. H. Noyes; low net, R. J. Coleman; second low net, Floyd K. Thayer.
Third flight:—Low gross, George Shaw; low net, M. A. Frohock; second low net, Mrs. D. S. Gilmore.
Fourth flight:—Low gross, R. K. Cutter; low net, J. F. Norton; second low net, D. S. Gilmore.
Fifth flight:—Low gross, H. W. Rhodehamel; low net, W. M. Wheeler; second low net, R. E. Horn.
Sixth flight:—Low gross, J. S. Britten; low net, S. B. Bradshaw; second low net, C. W. Warner.
Guest prizes:—Low gross, J. R. Dillworth; low net, Aglar Cook; second low net, W. L. Chapman, jr.
Longest drive on first hole, C. G. Predmore.
Closest to pin on second hole, R. S. Childs.
Least number of putts, J. H. Foy.

While the tournament golfers were struggling with bushes and bunkers and slices and sand, the ladies who did not "join the gentlemen" in this pursuit engaged in a calmer contest on the putting green. Many of them were rewarded with tangible testimonials to their skill.

Rain interfered with the tennis schedule, and carried the tournament to simultaneity with that in golf. The greater appeal of the latter reduced the number of contestants on the courts.

Doubles matches were played. George Sibley and Lowell Weicker were the winners; B. H. Cole and Carleton H. Palmer were the runners-up.

The Well-Handlers

Although they were not able to avoid the miscellaneousness of mountain weather, the members of the committee on arrangements and entertainment managed to circumvent the wind, snow, and rain, and they were continually being congratulated for the well-handled manner in which everybody was adequately entertained.

The deservedly appreciated well-handlers were headed by Victor E. Williams, of the Monsanto Chemical Company, who had as busy right-and-left-handman William D. Barry, of Mallinckrodt Chemical Works. Direct supervision of the several services and events was well handled by the following:—

Banquet, F. J. McDonough, of New York Quinine & Chemical Works, and W. N. De Noyelles, of Charles Pfizer & Co.

Evening entertainment, W. D. Barry, of Mallinckrodt Chemical Works, and J. P. Remensnyder, of the Heyden Chemical Corporation.

Golf, Herman J. Dietel, of Merck & Co., and J. P. Remensnyder, of the Heyden Chemical Corporation.

Ladies events, A. A. Wasserscheid, of Mallinckrodt Chemical Works, and a score of volunteer assistants substituting for George Simon, of the Heyden Chemical Corporation, who was unable to attend the meeting.

Publicity, Gerald S. Furman, of Merck & Co.

Tennis, S. Barksdale Penick, jr., of S. B. Penick & Co., and G. S. Furman, of Merck & Co.

Transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc.

Proprietary Medicinal Exports Record Increase in March

Proprietary medicines amounting to $843,652 in value were exported from the United States during March, 1939, according to the Bureau of Foreign and Domestic Commerce. Exports in the previous month, February, totaled $749,413. The value of the various classes of products exported in March was as follows:—

Classification.	Value.
Mouth washes and gargles	$39,762
Corn and foot remedies	7,547
Plasters	53,167
Liniments	12,819
Salves for burns, cuts and skin diseases	45,384
Salves for coughs, colds and catarrh	93,953
Cold, cough and bronchial preparations	94,779
Catarrh, asthma, and hay fever preparations	30,562
Malaria and chill preparations	6,588
Tonics and blood purifiers	177,276
Laxatives and purgatives	95,786
Milk of magnesia	19,520
Digestive preparations	23,797
Headache, neuralgia, and pain remedies	8,541
Other proprietary medicinals	134,171

Colloidal Pharmacals, Inc., has moved its offices to 565 Fifth avenue, this city.

Botanical Drugs, Spices, and Gums

Pharmaceutical Houses Seek Domestic Supplies of Belladonna, Burdock, Dandelion, Stramonium, Digitalis and Larkspur to Curtail Buying Abroad—Market Demand Turns Quiet

The botanical drug market during the past week became comparatively quiet. In comparison with the active selling featuring the market a fortnight ago, business seemed to be generally dull and it appeared that the volume of forward buying done during the period of activity had provided well ahead for manufacturing requirements. Hence, trade was along jobbing lines throughout the past week and some quarters felt that the expansion of activity commonly currently during the Spring was about at an end.

Much will depend on European developments, of course. A lull has fallen over the European political scene, though the basic disputes between nations remain unsolved and hence the danger of war remains. In Britain, the talk last week was of the British "sleeping on knapsacks all summer." The German press was still caustic over Poland and her international policies. Italy still cried for redress of the wrongs alleged against France, still failing, however, to present France with a requested catalog of the alleged wrongs. Peace moves by the Vatican seemed doomed to rejection.

Those botanical dealers on spot who view war as a distinct probability viewed the above conditions as items of strength behind botanical drug prices. Others with less pronounced views still declared that manufacturing consumers show wisdom when they protect themselves against any eventualities. It was a period of lowered sales volume on one hand, and waiting for further developments on the other.

Coverage of future needs has appeared in the form of buying in domestic markets numerous items usually supplied to this country by Europe. Along this line, one large pharmaceutical house has called for offerings of domestic burdock root, dandelion root, stramonium leaves, larkspur seed and herb, belladonna root and leaves, and digitalis leaves.

Entries of botanicals at the port of New York since the week of January 1, 1939, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	...	832
Belladonna	...	103
Caraway	1,470	14,299
Cardamom (cases)	32	880
Celery	...	1,538
Coriander	...	4,554
Cumin	100	1,592
Digitalis leaves (cases)	...	...
Dill	...	212
Fennel	300	714
Henbane leaves (bales)	...	112
Mustard	...	9,203
Poppy	...	16,376
Sage leaves (bales)	...	976
Sesame	414	9,679
Stramonium (bales)	165	215
Thyme (bales)	...	453

Price Changes

Prices were changed during the past week as follows:—

Advanced

Marjoram, French, 5c. per lb.
Tunisan, 5c. per lb.

Reduced

Arnica flowers, 1c. per lb.
Anise, star, ½c. per lb.
Canary seed, Morocco, ½c. per lb.
Turkish, ½c. per lb.
Cardamom, green, 1c. per lb.
Coriander seed, ½c. per lb
Cumin seed, Algerian, ½c. per lb.
Fennel seed, Indian, ½c. per lb.
Ginger root, African, 1½c. per lb.
Jamaica, 1½c. per lb.
Mustard seed, California brown, ¼c. per lb.
Danish yellow, ½c. per lb.
Roumanian yellow, ½c. per lb.
Paprika, Portuguese, extra fancy, 1c. per lb.
fancy, 1c. per lb.
Pimento, ¼c. per lb.
Sarsaparilla root, Honduras, 1c. per lb.
Thyme, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
122.9	122.9	119.4	127.1

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Peru.—Inquiries were fair in number and a moderate business resulted. Business done was sufficient to give a fairly steady undertone to prices and to hold competition fairly well in check.

Tolu.—Trade was rather quiet. Coverage of nearby requirements made up the bulk of local transactions and hence volume was conservative. Pricewise, the market remained very steady.

Barks

Bayberry.—No further unsettlement of prices took place. The market held very steady in all respects and values appeared to have developed not only resistance to further decline but, in some quarters, a tendency toward possible reaction.

Buckthorn. — Some very fair-sized business went into the books of some local dealers, but it was significant that full prices were made, and the market was almost entirely clear of any tendency toward competition.

Cinchona. — Uncertainty concerning future shipments from South America was expressed locally. Normal offerings have not been coming north and hence the generally firm price position was once again emphasized. Pharmaceutical bark from the Netherlands Indies remained steady.

Sassafras.—Fair progress with the collection of a new crop of this bark was reported. A fairly substantial production is expected since some primary market dealers hold, but a moderately-sized carryover. Little trade was noted in local circles.

Beans

Tonka.—The market was reasonably steady on the basis of the slightly lower quotation prevailing on Angostura beans at the close of the previous trading period. Quotations stood at $2.35 to $2.40 per pound. Brazilian beans were slightly easier in keeping with the improved situation surrounding exchange.

Vanilla.—Every aspect of the market for this article was one of revealed strength. Small stocks, very good demand, important future requirements still to be covered, and the absence of any sound reason to expect any substantial increase in production for two years at least—these were elements that made for strongly maintained prices in all markets, and especially in local circles.

Berries

Cubeb. — Maintenance of spot prices was in line with the well-maintained cost of replacement material. In point of demand, the market for this article was rather quiet and consisted mainly of small needs of smaller consumers.

Juniper.—The general market undertone was one of fair firmness. Well realizing that a general European war, if it found Italy and Germany in partnership, could well make highly difficult the export of this material from the Central European primary market, leading consumers in this country have in reserve a very good stock of merchandise.

Flowers

Arnica.—The market continued to be on the slightly easy side and quotations at 27c. to 28c. per pound illustrated the more competitive situation that developed recently.

Chamomile.—The market for Hungarian flowers was distinctly firm and the tendency of prices, if any, was opposed to buyers' advantage. Volume of demand and replacement prices combined to make a very firm situation. Roman flowers were not mentioned often, but when they were, values were declared to be steady.

Lavender.—Fully expecting a very good sale of this item during the Summer, sellers were generally firm in their price views though they also indicated that the movement last week was highly conservative.

Pyrethrum.—The basic market position was one of some strength. Demand here was said to be very good, and the outlook for a busy Summer was excellent. Prices were well maintained not only on powder, but also on concentrates.

Gums

Arabic.—The future of this article was tied closely with the probability that its transport to the United States will be increased in cost when stocks are moved from the primary market to the world via the Cape of Good Hope in place of the Mediterranean Sea. Shipping companies have rerouted Near East merchandise to avoid the zone that may possibly be closed by war.

Benzoin.—Prices were steady. Demand has slumped, in keeping with the passing of the season when consumption acts to the support of prices. Small orders were reported.

Camphor.—Demand of the sort specially noted during the Spring season subsided to a considerable extent so far as first hands were concerned. The market remained reasonably steady as to price, and competition was not aggressive.

Karaya.—Outlook was favorable for a good trade in this material, and quotations were generally steady to firm in all quarters. Replacement offerings were normal in size and firm in price.

Herbs and Leaves

Buchu.—Prices stood at 32c. to 33c. per pound, and resolved themselves into a fairly taut and firm position, in which there seemed to be little tendency toward meeting buyers' bids.

Digitalis.—One of the largest manufacturing consumers has stimulated collection of this article wherever it grows in the country. A recent report noted the alleged purchase of 120,000 pounds in the Pacific Northwest, where it grows wild.

Ephedra.—The market was well supplied, and everything suggested that there would be a continuing supply of the article available from the several foreign sources shipping to this country.

Marjoram. — Prices were higher—French, 25c. to 25½c. per pound; Tunisan, 23c. to 24c. Sellers reported only moderate reserves against a probable demand of fairly substantial size. Replacement costs were up.

Senna.—T. V. leaves remained very firm, especially as concerned the No. 1 quality, the stock of which was highly conservative. However, when new crop arrives, relief from the present situation may develop, since the crop was bought at fairly normal prices. Exports of Alexandria leaves in 1938 totaled 533 tons, of which quantity the United States received 253 tons direct. This compared with the 1937 total of 437 tons, with this country receiving 226 tons. A

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Tested Botanically
HOPKINS BRAND
Tested Chemically
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum
Aloes
Aniseed
Areca Nuts
Buchu Leaves
Chamomile
Damiana
Deer Tongue
Doggrass
Ergot
Euphorbia
Fennel Seed
Ipecac Root
Irish Moss
Juniper Berries

Kola Nuts
Lavender
Myrrh Gum
Orris Root
Papain
Quassia
Quince Seed
Saffron
Sarsaparilla
Saw Palmetto
Senna Leaves
Stramonium
Tragacanth
Valerian
Wild Cherry Bk.
Tested Microscopically
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK
Tested Physiologically

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

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TRAGACANTH
ARABIC KARAYA
Whole or Powdered
Also POWDERED LOCUST GUM
Write for Samples and Prices
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PRODUCTS CORP.
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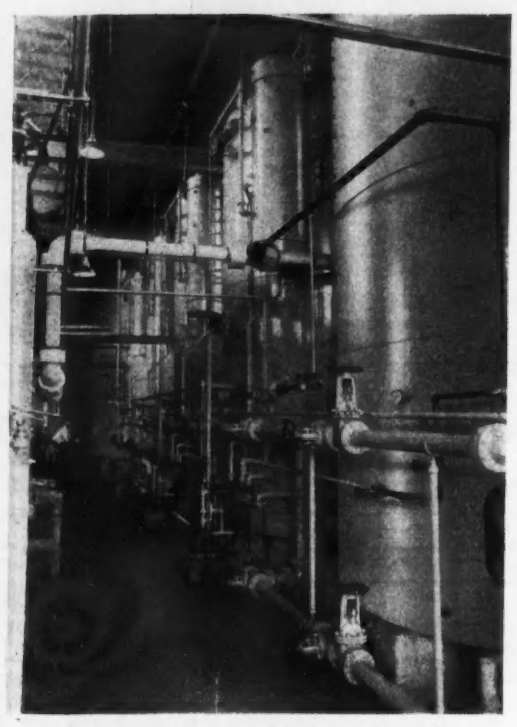
NEW YORK, N.Y.

GUMS
IMPORTERS
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
GUM ARABIC
GUM KARAYA
PAUL A. DUNKEL
AND COMPANY, INC.
82 WALL ST., NEW YORK, N.Y.
HANOVER 2-3758
NEW ENGLAND REP.
G. H. BUNTON
CAMBRIDGE, MASS.
PHILADELPHIA REP.
R. PELTZ & CO.
36 KENILWORTH ST.
TEL. LOMBARD 6359

LIGNIN VANILLIN
C. P.
A FINER VANILLIN OF EXQUISITE AROMA



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has been taken in recent years in the supply of Vanillin

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Samples and prices upon request

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GENERAL DRUG COMPANY

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TRANSPORTATION BLDG., LOS ANGELES, CAL.
9 SOUTH CLINTON ST., CHICAGO, ILL.
907 ELLIOTT STREET, WEST, WINDSOR, ONT.

breakdown in exports according to variety of material was as follows:—

	Tons	
	1937.	1938.
Pods	171	164
Leaves	174	220
Siftings	92	149

Miscellaneous

Agaric.—The spot stocks were practically exhausted and prices were virtually nominal, without having signs of an early return to a basis of firm quoting.

Ergot.—Foreign market prices have held very well, and signs of easing were lacking. Much speculative thinking regarding the probable crop in Spain this year is being done, but, so far as can be learned, little information on which to base a definite understanding regarding that aspect of affairs has reached here from the primary market.

Grains of Paradise.—The market remained fairly easy at 38c. to 40c. per pound, reached late in the previous week and recording a moderate decrease in price.

Lycopodium. — The advance was not extended, mainly because there was no general call for the article. Stocks were very low, and some sellers named quotations calculated to deter buyers from doing business at this time.

Papain.—The situation was generally steady, but not progressively active at any time last week. A fair trade in small lots confirmed recent quotations.

Roots

Belladonna.—The situation remained very strong because of importers' inability to get goods abroad. Stocks were being sought in the areas where this article may grow wild, and it was known that one of the largest buyers had a standing order out in the Pacific Northwest.

Dandelion.—Values were firm to steady, according to seller, but there was not much activity in the market and what there was was restricted to small lots. The active season had passed.

Ipecac.—The market continued to be held steady at unchanged prices, while sellers investigated conditions in countries supplying the article to this nation. Concerning Brazil, exports are unofficially reported to have been 109 bales last year, compared with 182 bales during 1937. Distribution by countries of destination was as follows:—

	Kilos	
Germany	5,599	4,575
United States	3,650	1,250
Belgium	729	...
Totals	9,978	5,825

Rhubarb.—The market held firm at the recent advance, and undertones showed no signs of becoming easier at once. As to demand, it was moderate throughout the past week. Stocks on spot were in very firm hands, who showed reserve in making offers.

Sarsaparilla. — Honduras root was shaded to 36c. to 37c. per pound. Mexican root remained very steady and received a fair but not expanding call from manufacuring consumers.

Seeds

Anise.—Star seed was down a small fraction to 16c. to 16½c. per pound, standing at the same level prevailing for the product of Spain.

Canary.—Morocco seed was shaded to 4.35c. to 4.60c. per pound; Turkish, 3.80c. to 4.10c. Argentine material lacked change.

Cardamom.—Only green seed changed in price and that was cheaper at 51c. to 52c. per pound. Decorticated was still fairly easy in undertone.

Coriander.—Natural seed receded to the basis of 4¼c. to 4⅝c. per pound, but the bleached item lacked quotable change.

Cumin. — Algerian was easier and lower at 7.90c. to 8.15c. per pound. No offerings of seed from Morocco were current locally.

Fennel.—Germany continued to hold stocks, refusing to make firm offerings. French seed was in fair supply at steady prices. India seed was shaded to 7¼c. to 7½c. per pound.

Mustard.—California brown was down to 5¾c. to 6¼c. per pound; Danish yellow, 8¾c. to 9c., and Roumanian yellow, 5½c. to 6c. Other varieties of this seed were unchanged in price.

Spices

Ginger.—African No. 1 was weaker and lower at 3¾c. to 4c. per pound. Bright grinding Jamaica root was off to 7¼c. to 7¾c. Cochin and Japanese material held unchanged.

Paprika.—Liquidation of spot stocks was still the order of the week. Portugese material was reduced to 29c. to 30c. per pound for extra fancy and to 28c. to 29c. for the fancy quality.

Pepper.—Black Lampong was lower at 3½c. to 3¾c. per pound. White Java Muntok material ranged slightly wider at 7⅛c. to 7⅜c. Japanese Hontaka chillies were down to 18c. to 18½c. Other varieties of pepper lacked price change.

Trading in black pepper futures on the New York Produce Exchange from May 6 to May 12, inclusive, comprised 41 contracts, a total of 1,377,600 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	3.70	3.56	3.56 sale
April	3.65	3.65	3.55@3.64
May	3.22	3.22	3.15@3.20
July	3.36	3.25	3.20@3.23
September	3.46	3.40	3.30@3.35
November	3.35	3.35	3.35 sale
December	3.59	3.45	3.39 sale

Pimento.—The market was 14¾c. to 15¼c. per pound, being a small fraction lower under the influence of local competition.

Toilet Preparations Exports During March Tabulated

The value of United States exports of toilet preparations during March, 1939, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$142,614
Other dentifrices	11,522
Talcum powder in packages	72,043
Face and compact powder	38,961
Cold creams	20,973
Vanishing creams	13,843
Other creams, lotions and balms	37,153
Rouges	14,313
Lipsticks	50,584
Other cosmetics	16,212
Manicuring preparations	53,412
Depilatories and deodorants	11,171
Hair preparations	70,802
Perfumery and toilet waters	14,324
Other toilet preparations	40,351

Drug Chain March Sales Up

Average daily sales of chain drug stores in March, 1939, increased about 3 percent from March, 1938, according to preliminary estimates of the Bureau of Foreign and Domestic Commerce. March sales were about 4 percent below February, 1939. The cost value of inventories at the end of March were 3 percent below those at the end of March of last year. March inventories, declined about one percent from the end of February, 1939.

Exchange **OIL of LEMON**
CALIFORNIA COLD PRESSED
... at its lowest price in over two years!

Implicit reliance upon this great American source of uniform, high quality Lemon Oil will bring to the user a thoroughly dependable product . . . one possessing remarkable clarity, solubility and flavor, and at the lowest possible price consistent with world supply and demand. May we handle your requirements?

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BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Imported Pennyroyal Advanced—Tansy Scarce, Higher and Nominal —Bitter Almond Lower—Warm Weather Raises Consumption Of Citrous Oils—Vanillin Prices Very Attractive

Much more seasonable weather caused a rise in sales of citrous oils last week, but under the influence of very good stocks and substantial competition, values failed to appreciate. Lower quotations developed on bitter almond, while imported pennyroyal, and tansy, were on the higher side by the close of the past week. Most items in the essential oil and aromatic lists were in fairly steady price position, though the element of competition tended to keep the situation reasonable for consumer operations.

Statistics covering importations for the month of March were released by the Department of Commerce. The figures revealed little in the way of exceptional factual data, though it was of interest to note that shipment of some Spanish oils direct from Spain had been resumed. Also, the number of countries supplying lime to the United States tends to increase. The figures will be found below in connection with individual market reports.

Conditions in the market were little changed. Buyers covered requirements conservatively and apparently were controlled more by the need of the moment than by the requirements of the more distant future. Buying was close to actual needs.

A visitor from Sweden, who is expected soon for a three-week stay, is interested in cosmetic lines. Full details regarding this visitor are available to accredited American firms at the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington. Please refer to Foreign Visitor No. 543.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Pennyroyal, imported, 10c. per lb.
Tansy, 75c. per lb.

Reduced

Almond, natural, bitter, 25c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.2	68.2	69.1	70.1

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Bitter oil was lower at $1.90 to $2 per pound for the U.S.P. and $1.05 to $2.05 for the oil free from prussic acid. It was the first chance in a substantial period of time and indicated the presence of lower cost stocks on this market.

Angelica.—A small but consistent call for immediate use was reported sufficient in volume to account for prices being well maintained throughout the past week. Stocks were of fair size.

Anise.—The undertone was moderately easy and prices were not better than steady on the surface at least. March importations totaled 29,757 pounds. The Netherlands sent 64 pounds; China, 2,203 pounds; and French Indo-China, 27,490 pounds.

Bergamot.—Routine trading was the general report and in the main the market was little changed from that which in recent weeks had produced a moderate amount of selling. Prices were steady. March importations totaled 19,925 pounds, of which amount 2,015 pounds came from France; 22 pounds from Germany; 16,691 pounds from Italy; 11 pounds from the Netherlands; and 1,186 pounds from the United Kingdom.

Birch Tar.—Jobbing business was very fair in size and was productive of a firm undertone in the price structure. Reserves were sufficient for present needs but trouble in Europe would mean trouble in getting regular shipments.

Bois de Rose.—Importations in March totaled 11,343 pounds. France exported 48 pounds to this country; the Netherlands, 353 pounds; the United Kingdom, 224 pounds, and Brazil, 10,818 pounds. Spot prices held steady under routine request last week.

Camphor.—Stocks were short and not readily replaceable by steady shipments of normal quantities. The market remained in practically nominal position. So much so that substitutes were said to be making considerable headway.

Caraway.—The market has become steadier since the recent decline and quotations last week seemed to be generally well maintained. Importations in March totaled but six pounds. Two came from France and four from the United Kingdom.

Cassia.—China exported 18,900 pounds of this oil to the United States in March. The spot market retained routine qualities and prices were on the easy side most of the time because of the current trend toward competition.

Cinnamon.—Leaf oil moved very well at favorable but also quite steady prices. March importations totaled 23,658 pounds, and 12,338 pounds of the total came from Ceylon and 11,320 pounds from British East Africa. Other cinnamon oil imported in March made a total of 119 pounds, coming from Germany with a despatch of 80 pounds; the Netherlands, with a record of 20 pounds, and Ceylon with a mark of 19 pounds.

Citronella.—The market was generally steady at home and abroad but none too much business was done in and out of this market. Buyers were somewhat reserved because of a lack of pressing needs. March imports totaled 337,776 pounds. Guatemala sent 17,394 pounds, Ceylon, 80,477 pounds, and the Netherlands Indies, 239,905 pounds.

Eucalyptus.—The market held very steady regardless of the rather moderate total of trading during the past week. Maintenance of spot quotations was in line with well held prices at the source. March imports totaled 37,877 pounds from Australia.

Geranium.—Generally firm prices and fairly good demand governed the spot position of this article. Reunion oil was especially well held, based on but moderate stocks at the source. March imports totaled 28,815 pounds, imported from the following points; France, 1,492 pounds; Germany, 441 pounds; Switzerland, 10 pounds; United Kingdom, 244 pounds; British East Africa, 2,200 pounds; Algeria, 9,921 pounds, and French Africa, 14,507 pounds.

Juniper.—Prices were very steady. Buyers bought about as needed and such needs made but a conservative total by the close of the week. March imports totaled 331 pounds, all from Italy.

Lavender. .. March importations totaled 17,761 pounds, all but seven pounds coming from France. The seven was sent by Germany. Somewhat better inquiry for the lower ester content oils was reported and in the main all qualities within the group were steady. Spike lavender imports in March were 5,906 pounds, of which 100 pounds came from France and 5,806 from the United Kingdom.

Lemongrass.—Prices continued to display the strength recently productive of a rise in local values. Demand was fair and usually steady. March imports totaled 7,497 pounds coming in as follows: — From the Netherlands, 178 pounds; Guatemala, 2,835 pounds; British India, 4,484 pounds.

Lemon.—The importance of domestic oil in the consuming economy of this country may be judged from the total of March imports of Italian oil. The total was 9,499 pounds of which quantity 8,224 pounds came directly from Italy and 1,275 pounds indirectly from the United Kingdom. Demand for oil has been stimulated moderately by highly seasonal weather conditions that

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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ROSE BLEUE—medium priced. Particularly suited for creams of all types.
ROSE C. S. W.—has a higher note than Rose Bleue. Ideal for toilet preparations.
ROSE 81412—can be used to replace Otto of Rose and to perfume high grade toilet preparations.
ROSESOL M M & R — water soluble. Not subject to bacteriological spoilage. Makes a superior Rosewater.

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CRYSTAL WHITE — DOUBLE DISTILLED
PEPPERMINT, SPEARMINT, WINTERGREEN, Etc.
Main Office and Works
KALAMAZOO, MICH., U. S. A.

raised consumption of many items utilizing this oil as a flavoring material.

Lime.—Favorable weather was noted and consumption by manufacturers seemed to be gaining. Prices were at least very steady. March importations totaled 8,171 pounds reaching here from the following points.

	Pounds.
Netherlands	230
United Kingdom	224
Mexico	2,178
Jamaica	500
Trinidad and Tobago	3,503
Other British West Indies	316
Haiti	220
Total	8,171

Orange.—Domestic production found ready buyers of substantial quantities at very low and highly attractive prices. Stocks were ample. Foreign oils moved less actively because of the price-margin between them and the home product. March imports totaled 11,597 pounds coming in as follows:—France, 2,884 pounds; Italy, 1,240 pounds; Jamaica, 500 pounds; other French Africa, 6,963 pounds.

Palmarosa.—Importations during the month of March amounted to 1,275 pounds, British India being responsible for 1,250 pounds and the balance having been shipped from French Africa.

Pennyroyal.—Imported oil was higher at $1.85 to $1.90 per pound. Domestic remained dull and unchanged.

Petitgrain.—Prices seemed to be very steady notwithstanding the lack of more than very moderate demand from consumers during the past week. Stocks were light and in firm hands. March imports totaled 16,953 pounds. Paraguay sent 16,833 pounds; France, 58 pounds; Germany, 25 pounds; and the Netherlands, 37 pounds.

Pineneedle.—The total of March imports was 13,244 pounds, and of the total 353 pounds came from Italy, 12,371 pounds came from Soviet Russia, and 520 pounds came from Australia. The local market last week was conservative in activity, but usually very steady when it came to quotations. Sellers kept values in line with replacement costs.

Rose.—The production in Bulgaria last year has proved entirely adequate to cope with consumption requirements in the United States. Furthermore, the unsold reserves assured a continuing supply. March imports totaled 7,129 pounds. Bulgaria forwarded 6,036 pounds; France, 693 pounds; Switzerland, 16 pounds; the United Kingdom, 32 pounds, and Turkey, 352 pounds.

Rosemary.—March imports totaled 3,200 pounds, divided as follows:—France, 617 pounds; Germany, 23 pounds, and Tunisia, 2,560 pounds.

Tansy.—Scarcity was acute and the market was nominal at $8 per pound. In fact, those with oil were able to set their own figure, and there was no escape for buyers, since there was no distribution of the very small stock available.

Thyme.—Reappearance of direct shipments from Spain showed in the March import figures. The total import in that month was 462 pounds, and Spain shared to the extent of 430 pounds. The balance came from France, with 25 pounds, and the United Kingdom, with 7 pounds.

Vetiver.—March imports amounted to 660 pounds, reaching here from the following countries:—France, 149 pounds; Netherlands, 200 pounds; United Kingdom, 46 pounds; Netherland Indies, 190 pounds, and French Africa, 75 pounds.

Aromatic Chemicals

Ethyl Cinnamate.—Prices were steady and competition was not much in the foreground most of last week. Buyers bought little beyond their immediate requirements.

Ethyl Phenylacetate.—Inquiries were fair in number and quantities of merchandise required made a moderate total sufficient to account for steadily maintained prices, and an absence of much in the way of excessive competition.

Ethyl Vanillin.—Interest in this article has gained parallel with the sharp advances in prices for vanilla beans. The market was fairly robust last week and prices were steady at very favorable limits.

Eucalyptol.—The well-stabilized position of raw material accounted for the well-held prices on this derived material. Business was fair to moderate most of the time, with buyers covering needs reasonably well ahead.

Eugenol.—Buyers were reserved. Stocks in hand seemed to care for their immediate needs, and hence much business last week consisted of the operations of smaller consumers. Prices reflected the steady quality of quotations named on raw material.

Geraniol.—Reasonable good request was current, but most orders indicated consumers to be governing purchases more by the need of the moment than by those of the more distant future. Prices, however, remained very steady.

Geranyl Acetate.—Business was a trifle slow. Volume was moderate in size and some sellers reported business being placed under slightly more competitive conditions. Open quotations, however, remained unaltered.

Geranyl Formate.—Inquiries were more lively and some directions reported moderate increase in sales to consumers. Prices proved to be very steady.

Heliotropin.—Undertones were slightly unsettled. Reports of some price shading were heard but no change in openly made quotations developed. Stocks were in excellent reserve.

Hydroxy Citronellal.—Sellers indicated volume to be conservative but, also, to be about level with that in recent weeks. Undertones in the market remained comparatively steady.

Linalool.—Sales were an improvement over those in the previous week and on the whole the market kept a very steady undertone and volume made a fair showing at the close of the period.

Linalyl Acetate.—Buyers were slightly more numerous and more active last week. While the gain in sales was moderate it was more than sufficient to check any tendency toward any important shift in prices prevailing on the spot.

Methyl Salicylate.—The market was of routine proportions but definitely steady and well stabilized so far as prices were concerned. The recent report that new production of raw material is projected seemed unlikely to affect the position of this articles at a nearby date.

Fritzsche Brothers, Inc., essential oils and aromatics, this city, has mailed the May issue of its catalog to its clientele throughout the country.

Perfumery Products Catalog Revised by General Drug

The complete line of Agfa perfumery products and their uses are listed in the latest edition of the catalog of the Agfa aromatics division of the General Drug Company, manufacturer of essential oils and aromatic chemicals, this city. Important classifications of products in the new list include synthetic aromatic chemicals, flower oils, medium-priced odors, face powder and compact odors, soap odors, and a miscellaneous section containing numerous interesting specialties. Many new products, developed by the Agfa organization since the last catalog was issued, appear in the new list.

E. I. Hopkins Made President Of California Growers Ass'n

Edward Irving Hopkins, vice-president of J. L. Hopkins & Co., importing crude drug merchants, this city, in charge of the San Francisco branch, has been elected president of the Campbell-Los Gatos California Prune and Apricot Growers Association at a special board meeting held recently in the Sunsweet plant. Mr. Hopkins has been for many years a fruit orchardist in Campbell, Calif.

Hall of Pharmacy Exhibit Previewed by Press May 12

The Hall of Pharmacy at the World Fair opened its doors for a press preview May 12. Major exhibits have been completed for the public opening May 13, but the International Drug Club and International Pharmacy will not be ready until May 21, when the formal opening of the exhibit will be held.

The main attraction at the hall appeared to be "Sorcery to Science—a Giant Puppet Show." It features an ancient Chinese Medicine Man, an old witch, a medieval alchemist, an African voodoo doctor, and modern-day scientists in a 10-minute show on a revolving stage behind the mirror of the largest medicine cabinet ever built. The huge puppets, twelve feet and more high, were accompanied by a sound track with a 44-piece orchestra and commentary by Lowell Thomas.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Producing Plant: The Exchange Orange Products Company, Ontario, California

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Petroleum Solvents, Lubricants, Fuels

Conferences Fail to Settle Seamen's Strike as Shipments Continue Unhampered — Gasoline Strong and Prices Advanced in Mid-continent and Gulf—High-Solvency Fractions Reduced

Officials of the oil companies involved, and spokesmen for the National Maritime Union held several conferences last week but failed to reach an amicable settlement of the seamen's strike that went into effect April 17. With the strike still in effect at the end of last week strikers claimed an outside figure of eighty tankers tied up by crew stoppages in ports along the Atlantic seaboard and in the Gulf. The refined product market felt no ill effects as a result of the strike, however, with shipments to consumers apparently continuing without undue delay.

The motor fuel market was very strong in all sections of the country during the period under review. Several price advances were made in the Mid-continent, Gulf Coast, and along the North Atlantic seaboard. The continuation of the coal strike further strengthened the heavy fuel oil market with many industrial plants converting to fuel oil in order to keep operations up to par. Although the effect has not yet been seen, it is believed that the coal strike will undoubtedly be reflected in the demand for oil burners for domestic use. Many home-owners will without doubt realize the uncertainty of depending entirely on coal.

The May allocation order for oil fields of Kansas, issued last week, provides for a daily allowable of 170,350 barrels, compared with 156,850 barrels per day in March and April. The Bureau of Mines recommendation was 152,600 barrels per day. Meanwhile the Central Committee of California Oil Producers, official curtailment group, failed to reach a decision on a proposal to inaugurate a new method of proration for California fields, and accordingly the method that has been in operation for the past several months will be continued for this month.

Daily average gross crude oil production in the United States during the week ended May 6 totaled 3,580,900 barrels compared with 3,568,200 barrels the previous week, an increase of 12,700, according to the American Petroleum Institute. A gain of 14,550 barrels in the daily average output of Illinois was the most important change. Reports from companies owning 85.8 percent of the nations refining capacities indicated that the industry as a whole ran to stills 3,275,000 barrels of crude oil daily during the week, and that all companies had in storage at refineries, bulk terminals, in transit and in pipelines as of the end of the week, 86,216,000 barrels of finished and unfinished gasoline. The total amount of gasoline produced is estimated to have been 10,732,000 barrels during the week.

Stocks of domestic and foreign crude petroleum at the close of the week ending April 29 totaled 278,444,000 barrels, according to the Bureau of Mines. Compared with the total of the previous week this represented an increase of 1,288,000 barrels, all in domestic stocks. Heavy crude oil stocks in California, not included in the "refinable' stocks, totaled 15,208,000 barrels, a decline of 299,000 barrels from the stocks on hand April 22.

The production of natural gasoline in March was 5,734,000 gallons compared with 5,621,000 barrels in February, and 5,861,000 barrels in March, 1938. Stocks of natural gasoline increased from 197,736,000 gallons the first of the month to 198,282,000 gallons on March 31.

Solvents and Diluents

Demand for most materials in this division was only fair last week and deliveries to consumers were in small-size lots in most cases. Two prices were reduced.

Cleaners' Naphtha.—The price of high-solvency aromatic, No. 1 material was reduced 1c. per gallon to a price of 15c. per gallon,, f.o.b. New Jersey refineries. The No. 2 material was reduced 2c. to a new level of 16c. per gallon, same basis. The market was routine last week and the effects of the price reductions had not as yet been felt. The reduction of the No. 30 material three weeks ago stimulated a flurry of interest in offerings.

Lacquer Diluent.—Lacquer manufacturers showed a bit more interest in the market and shipments increased fractionally. The price continued unchanged.

Petroleum Thinners. — The market was routine with all prices continuing unchanged.

Rubber Solvent.—Tire manufacturers showed a bit more interest in offerings last week. The price was firm.

V. M. & P. Naphthas.—The market was routine with demand and deliveries about the same. No prices were changed.

Markets at Other Centers

Chicago, May 11.—Expanding trade interest is reported in some grades of petroleum solvents and diluents, leading to a generally firm aspect for these products as a whole. Cleaners' material is steady with some heavy industries taking slightly larger volumes. Prices in tankcar lots, except as noted, are (Tankcar prices f.o.b., Group 3, Oklahoma):—Blending naphtha, 4c. to 4¼c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; rubber solvent, 6⅜c. to 6½c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, May 11.—Rubber solvents are moving well with a better price position while the V.M.P. is also in good demand. Shipments are large. Cleaners naphthas and mineral spirits are also in better inquiry.

Lighter Fractions

The lighter hydrocarbon gases were in a fairly good market position last week with a small demand keeping the market in a steady position.

Butanes.—The market continued in routine fashion with no prices changed.

Hexanes.—Buyers were showing more interest in offerings, although spot demand was light. The price schedule continued unchanged.

Pentanes.—Shipment into consuming channels continued satisfactory with the price structure firm.

Octanes.—There was a small increase in demand but the orders were mostly for small-sized amounts of material. The price schedule was firm at the quoted level.

Outputs and Quotas

A comparison of Bureau of Mines calculations for May productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended May 6, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	455,800	428,000	459,550
Kansas	152,600	†156,850	167,900
Texas 1	,406,100	‡1,393,200	1,470,000
Louisiana ..	261,600	263,634	268,400
Arkansas ...	52,900	54,627	55,450
Illinois	159,700	.....	200,200
Eastern	102,900	.....	99,450
Michigan ...	50,000	.....	62,950
Wyoming ...	64,200	.....	58,900
Montana ...	16,100	.....	14,450
Colorado ...	5,200	.....	3,600
New Mexico.	115,500	§117,100	110,750
California ..	582,600	¶575,000	600,300
Totals 3	,425,200	.....	3,580,900

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of May. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† April allowable extended until further notice.

‡ Net daily average basic allowable for the thirty-one (31) day period beginning May 1. Shutdowns are ordered for the first two Saturdays and all Sundays during May, a total of six (6) shut-down days.

§ Export allowance of 4,000 barrels included.

¶ Recommendation of Central Committee of California Oil Producers

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1939 Jan. 1-May 13	1938 Jan. 1-May 13
Commercial crude oil production	460,052,000	449,249,700
	Week ended May 13, 1939	Week ended May 14, 1938
Daily average production	3,639,546	3,366,300
	Week ended May 6, 1939	Week ended April 29, 1939
Estimated motor fuel stock total	86,216,000	86,794,000
Estimated finished motor fuel stock total....	79,931,000	80,524,000

Petrolatums and Waxes

Crude scale wax continued to be very strong on the market with buyers encountering difficulty in securing any material due to extreme scarcity. Mineral oils continued unchanged as did the market for petrolatum.

White Mineral Oils.—The market held the small gains registered two weeks ago. No further increases in demand were noted. The price schedules for both the domestic and imported materials continued at the levels that were set several months ago.

Paraffin Wax.—The quoted price was 2.85c. per pound for all grades of crude scale wax in the New York market. Material was extremely hard to obtain, which led to reports that suppliers who had some on hand would sell only at a higher figure.

Chicago, May 11.—Refined petroleum wax is moving out to buyers rather well currently, with a firm tone in the price structure and with stocks apparently not causing much difficulty in the market situation. Inquiries indicate buyers are continuing to have some interest in the market. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 125-127, 4.35c. to 4.4c.; 127-129, 4.7c. to 4.75c.; 130-132, 5c. to 5.05c.; 132-134, 5.25c. to 5.3c.

Tulsa May 11.—This is still one of the leading products in the point of strength. Refineries are well sold up and the 24-26 American crude is being moved at 2.85c. per pound.

Petrolatum.—Shipments into domestic industrial channels continued fairly good last week, further consolidating the small gains made two weeks ago. No price changes were made.

Fuels and Lubricants

Refiners in the Mid-continent area reported demand for gasoline strong with some refinery quotations advanced. Higher quotations came after the Midwest market increased prices two weeks ago. Gasoline was strong in the New York area with one company advancing the price throughout New York and New England. Gulf coast gasoline was also advanced. Heavy fuel oils continued in a strong position as did lubricants.

Market Conditions

Gasoline.—The Standard Oil Company of New York advanced tankcar gasoline prices 1/10c. to 1/5c. per gallon throughout New England and New York with the exception of New York Harbor, where the price was advanced ¼c. per gallon. The new commercial tankcar price here will be 6.7c. per gallon. Local factors reported a good demand for material last week as a result of the improved weather conditions. The supply to New York harbor had not been hampered as a result of the seamen's strike and stocks were moving without noticeable interuption.

Kerosene. — Purchasing had been along moderate lines for more than a month and last week was no exception. As the weather becomes warmer there is less and less call for kerosene. No price change was made.

Fuel and Gas Oils.—Heavy fuel oils continued to be one of the strengths of the refined petroleum market. The coal strike forced many large industrial plants to convert to fuel oil in order to continue unhampered operations. Bunker fuel oil continued unchanged in price in North Atlantic ports. The company which posted a raise of 10c. per barrel to $1.05 three weeks ago, held its ground despite the refusal of other sellers to follow suit. Reasonably low temperature kept the light fuels in a fairly firm position.

Lubricating Oils.—The market for Pennsylvania lubricants continued in an active manner last week with buyers showing a good interest in offerings.

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The State of the Petroleum Market

Gasoline prices in the Midcontinent were advanced ⅛c. per gallon which resulted in a new average price for this box.

	May 13	May 6	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.147	$1.147	$1.305
Gasoline prices at refineries (at four refining centers) per gallon	.04875	.0484375	.048125

No prices were changed, all remaining in firm positions.

Markets at Other Centers

New Orleans, May 9.—A ⅛c. increase was noted on all grades of gasoline during the past week, other commodities remaining unchanged in price. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5½c.; U. S. motor below 62 octane at 5½c.; 63-67 octane at 5¾c. and 68-70 octane at 6⅜c.—all prices being based on a per gallon rate at refinery.

The price of kerosene remained unchanged at 7⅜c. per gallon at refinery.

Fair demand was experienced on Bunker C fuel oil at the unchanged price of 75c. per barrel at terminal and 80c. per barrel delivered alongside. Industrial plants in this vicinity continued to be quoted at $1.36 per barrel, delivered.

Chicago, May 11.—The petroleum markets are in a strong position and tankcar prices of principal products have been firming here of late. There is a sharp demand for gasoline, but offerings have been quite limited. Consumption is opening up broadly and trade buying accordingly is heavy. This applies especially to contract orders. Outside inquiries are good but many attempts to buy are meeting with rebuffs from suppliers. Kerosene and tractor fuels are in fair call. The furnace oils are seasonally sluggish. Heavy fuels have been firmer to stronger, with a good demand caused by switching to oil by some coal users because of the coal strike. Lubricants are firm.

GASOLINE.—Low octane motor, 4⅛c. to 4½c. per gallon; 63-66 octane motor, 4⅜c. to 4½c.; 67-69 octane motor, 4⅝c. to 4¾c.; 70-72 octane, regular, 4⅞c. to 5c.; 60-62, 400, 4⅛c. to 4¼c.; 64-66, 375, 4⅛c. to 4¼c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅛c. to 4⅜c.; 41-43, water white, 3⅞c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 white, 3½c. to 3¾c.; No. 1 straw, 3⅜c. to 3⅝c.; No. 2 straw, 3¼c. to 3½c.; No. 2 dark, 3½c. to 3⅜c.; No. 3, 3⅛c. to 3¼c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

Tulsa, May 11.—A further strengthening of the tank car price structure occurred with a ⅛c. advance in all grades of motor fuel. The expectation that large gallonage will be rolled up is thus far borne out by the consumption that has been developed so early this year. The one unsatisfactory feature in the gasoline trade is the low tankwagon price.

Rising crude production in the central western regions with an increase in the volume of oil obtainable under the posted markets continue to be seen. However, higher prices than prevailed for this oil several weeks ago now exist. Most of the oil being sold on spot is bringing 85 and 90 cents a barrel which is only 25 cents a barrel less than posted prices. And a part of this advantage is being eliminated by the higher rail transportation costs. However, there is a tendency for the market to soften as the supply of free oil has been increasing during the past two weeks.

A heavy demand for tractor distillates and kerosene has featured the trading this week. A large part of the demand for the third grade gasoline, which was available below the prices of kerosene, has been diverted to the latter since the rise in gasoline quotations. There is also a large demand for the heavier fuel oils. Prices, too, are better and throughout the middle western refining region there is no fuel oil available except at rising prices.

Following are the approximate prices for the various products traded in the mid-Continent refining areas on the basis of group three prices:—

GASOLINE.—All grades up ⅛c. with the low third grade below 62 octane at 4⅛c. to 4⅜c. per gallon and the 63-66 octane at 4⅜c. to 4⅝c. per gallon; the 67-69 octane is 4⅝c. to 4⅞c. per gallon while the regular grade of 70-72 octane is 4⅞c. to 5⅛c. per gallon.

KEROSENE.—The 41-43 grade is active at 3⅞c. to 4¼c. per gallon while the 42-44 grade is being moved at 4⅛c. to 4⅜c. per gallon. Prices are firm to strong.

NATURAL GASOLINE.—No change has occurred in price, although the tone has improved somewhat with the 26-70 being quoted at 2½c. to 2⅝c. per gallon.

FUEL OIL.—Trading is active with a heavy demand for the low gravities which are strong. The grades below 16 degrees in gravity are 50c. to 65c. per barrel depending upon cold test while the 24-28 degree high cold test is 85c. to 95c. per barrel and the zero grades in which trading has tapered off is $1 to $1.10 per barrel.

LUBRICANTS.—A better price situation has developed with a noticeable increase in the volume of shipments. The higher quotations coming from the Pennsylvania markets have strengthened the mid-Continent structure.

Cottonseed Ass'n Asks Increased Tariff Rates

—*Continued from page 41*

An attempt will also be made to improve the preparation of derivatives such as cellulose acetate, cellulose nitrate and ethyl cellulose, while the problem of developing new derivatives with special properties will also be studied. A close and carefully conducted study of lint cotton in all its phases and uses will also be made, according to Dr. Knight.

Legislation Reviewed

T. H. Gregory, executive vice-president, in commenting on legislation, said:—

The most important piece of legislation affecting the cottonseed industry during the past year was the wage-hour law. While this legislation was before Congress your association officers were in constant touch with developments, in order to protect your interests. I think the industry can indeed consider itself fortunate that it is exempted from the hours provisions of that law with the attendant costs and rigidities which those provisions would have introduced into mill operations. At this point let me strongly urge all of you, who have not already done so, to adopt an eight-hour day. I urge this because I believe that if it is not done, the industry is likely to lose the exemption it now enjoys. It seems to me that it would be far better business to adopt an eight-hour day voluntarily, yet retain the privilege of working employees overtime in periods of emergency, than to lose that privilege by insisting upon the right to work a longer day as a regular practice.

S. M. Harmon, in his report as secretary-treasurer, said that during the season there have been an unusual number of proposed laws introduced into State legislatures seeking to restrict the consumption of products made from cottonseed oil. One or more of such bills was introduced into the legislatures of Colorado, Iowa, Kansas, Michigan, Minnesota, Montana, New York, Oregon, Utah, Vermont, Illinois and Wisconsin. The association, in conjunction with other agencies, has vigorously protested the passage of all these proposed acts. So far none of them have been enacted into law, he added.

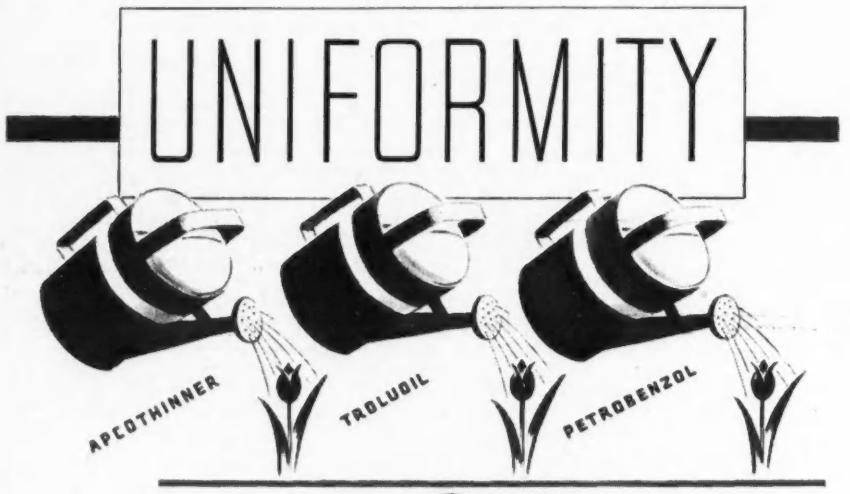
New Directors

One new director-at-large was elected:—G. J. Stewart, Chicago; and two directors-at-large were re-elected:—W. H. Knapp, Cincinnati, O., and A. Q. Peterson of New Orleans. Newly elected members of the board of directors include:—

R. H. Cofer, Atlanta, Ga.; S. C. Boswell, Ada, Okla.; Henry G. Womble, Caldwell, Tex., and E. A. McDonald of Los Angeles, Calif. Re-elected members of the board of directors are:—J. H. Bryson, Dothan, Ala.; P. F. Cleaver, Little Rock, Ark.; C. W. Wallace, West Monroe, La.; G. W. Covington, Jackson, Miss.; J. I. Morgan, Farmville, N. C.; Albert Jordan, Hartsville, S. C.; R. H. Patterson, Trenton, Tenn.; J. Ross Richardson, Houston, Tex.; R. M. Simmons, Sweetwater, Tex., and T. A. Hughston, Dallas, Tex.

Entertainment included a golf tournament at the New Orleans Country Club on Monday afternoon. Numerous golf prizes which were donated by merchants were on display during the convention. A meeting of the Old Guard was held at Galatoire's on Monday evening. The ladies were entertained at a special luncheon at the Patio Royal, while a banquet and dance was given in the Tulane Room of the Jung hotel on Tuesday evening.

Eastern Petroleum Refiners and Marketers Credit Groups of the National Association of Credit Men will hold its third annual conference at the Hotel Pennsylvania on May 15-16.



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Fertilizer Materials

Season for Raw Materials Drawing to Close—Interest in Offerings Slackens—Feeding Materials Fairly Firm—Several Fertilizer Prices Reduced—April Tag Sales Up

The season for raw fertilizer materials is drawing rapidly to a close and this factor was reflected in the movement and prices of materials last week. A few of the smaller buyers were ordering out stocks, but most of the larger mixers were disinterested in offerings. Mixed material was still active, although in most sections of the country the spreading of the fertilizer had already begun. Possible exceptions to this were in the New England states where the planting season was held up by the weather.

Although feeding materials continued firm the price structure for raw fertilizer products was weaker. Several reductions and no advances were made. In many cases sellers were accepting bids at less than their quoted prices in order to clean out surplus stocks. Domestic and imported blood, imported bone, ground and unground tankage were reduced on the New York market.

Manufactured fertilizers were moving to planters in the lower South at a rapid rate, although the raw material market, except for top dressings materials, is at an end. Nitrate of soda was the most active. The market was dull in the upper South with ground fish scrap reduced $1 per ton, f.o.b. Baltimore. Demand for crude materials was holding up well in the Midwest, according to reports from Chicago, with the reason being the exceptionally late Spring season. However, even there orders were in limited amounts.

Fertilizer sales in April in seventeen states, as indicated by the sale of tax tags, totaled 1,315,134 tons, compared with 1,107,985 tons in April, 1938, according to the National Fertilizer Association. The increase for the month more than offset the decline which had been registered for the first quarter of this year. Sales during the first four months of this year totaled 4,032,385 tons compared with 3,907,315 tons during January-April, 1938 and were the highest of any similar period since 1930, with the exception of 1937. Comparative figures will be found on the chart on this page.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Blood, high-grade, ground, 10c. per unit-ton, f.o.b., Chicago
imported, 5c. per unit-ton, c.i.f., ports
Bone, imported, 50c. per ton, c.i.f., ports
Fish scrap, ground, $1 per ton, f.o.b., Baltimore
wet acidulated, 15c. per unit-ton, f.o.b., S. Atlantic factories
Tankage, animal, domestic, ground, 5c. per unit-ton in New York
unground feeding, 5c. per unit-ton in New York
high-grade feeding, 25c. per unit-ton, f.o.b., Chicago

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.3	66.3	66.3	66.7

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

The undertone of the market for fertilizer materials was a great deal weaker last week. Feeding materials, on the other hand, continued to be shipped in good volume and remained firm in price. Several price changes were made, all of which were reductions.

Sulphate of Ammonia. — Volume of business slackened somewhat, although the price schedule remained firm.

Nitrate of Soda.—Trading was dull at the previously quoted price. Material was moving in slow fashion.

Dried Blood.—The domestic material was being sold in New York at $2.60 per unit-ton, the price in force at the end of the previous week. The high-grade product was being offered at $3 in Chicago, but sales were made at $2.90 per unit-ton. There was feeling present that lower bids would be accepted. The imported material was sold at $2.70 per unit-ton, c.i.f. ports, for shipment. This was 5c. lower than the previously quoted price.

Fish Scrap. — The ground material was sold at $50 per ton f.o.b. Baltimore, which was a $1 to $2 reduction from the previously quoted price. The wet acidulated scrap was reduced 15c. to $2.35 and 50c. per unit-ton, South Atlantic factories.

Tankage.—Volume of sales dropped noticeably during the period under review and several reductions were made. The domestic ground animal material was reduced 5c. for the second time in two weeks, the new price being $3.15 and 10c. per unit-ton. Although most feeding materials were firm, the unground feeding tankage was reduced 5c. to $3.50 and 10c. per unit-ton, while the high-grade feeding in Chicago was lowered 25c. to $3.50 and 10c. per unit-ton.

Potashes

Agricultural potash salts continued in routine manner last week, with little interest shown by fertilizer mixers. All prices continued without change. Production of crude potash salts in Poland during 1938 totaled 84,585 metric tons, a 13 percent increase over the 1937 figure of 74,605 tons.

Phosphates

Bone materials weakened somewhat, especially the fertilizer grades. This was due to the general slowing up in the trade because of seasonal causes. Most prices continued fairly firm, however. Other phosphate materials continued slack.

Bone Materials. — The imported raw material was reduced 50c. per ton to a price of $26 per ton, c.i.f. ports. Feeding materials continued in good position, with no prices changed.

Phosphate Rock.—There was little interest in the market during the period under review, most calls coming from smaller buyers. Prices remained at the quoted levels.

Superphosphate.—The majority of buyers apparently had enough stocks on hand to take care of their needs for the remainder of this season. There was, however, a small amount of movement of stocks reported. Production of superphosphate in Japan during 1938 totaled 1,099,806 metric tons, compared with 1,354,430 tons the previous year.

Sulphur and Pyrites

The movement of sulphur into consuming channels was light last week, most shipments being on contract only. There was little spot demand in the market. The price remained unchanged.

Markets at Other Centers

Atlanta, May 10.—Manufactured fertilizers are moving rapidly to the farm. The fertilizer material market, except for top dressing materials, is at an end in the southern territory. Among the top dressing materials nitrate of soda is most active at present. Quotations on some of the materials are now being made for August and September deliveries to be used in making base goods.

Shipping of mixed goods continues in fairly large volume especially in the upper south where weather has been holding back planting. In view of the lateness of planting it is claimed that the season's volume cannot be accurately determined until June.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

NITRATE OF SODA.—Bulk in quantities, $27 per ton, port basis.

SULPHATE OF AMMONIA.—Bulk, port basis, $28 per ton.

COTTONSEED MEAL.—8 percent grade, $24.50 to $24.75 per ton, southeastern mills.

NITROGENOUS.—$1.75 per unit, September to December, domestic producing points.

TANKAGE.—South American, $3.25 and 10, port basis.

BLOOD.—$2.80 per unit, port basis.

BONE.—Raw, 4½ and 45, $26.50 per ton, port basis.

Baltimore, May 10.—With the season for the shipping fertilizer mixtures drawing to a close, the quiet that has prevailed for some time continues, and a decidedly cautious attitude is being maintained, with the figures generally quoted about as follows:—

FISH SCRAP.—No business either for new scrap or the material left over from last season is reported, with the factories adhering to a price of $42 per ton, basis Florida. Sardine meal is held around $47 to $47.50 per ton, with scattered buying interest, and domestic menhaden meal, $50 per ton in carload lots, f.o.b., seaboard. Some acid fish have been sold during the week at $3 and 50c. per unit-ton.

TANKAGE.—This ammoniate is stated to be quite sold up, with business in 9 percent unground feeding stocks reported at $3.55 and 10c., f.o.b.

DRIED BLOOD.—The market for this product is steady, with last sales around $2.75 per unit-ton.

SUPERPHOSPHATE. — The producers adhere to a price of $7.50 per ton for run-of-pile and $8 per ton for 16 percent milled and screened stocks, with the movement limited and the plants operating on a curtailed schedule.

GARBAGE TANKAGE.—Quotations on this ammoniate are hardly more than nominal, with the demand limited to periods, between which it receives little attention. The price is around $8 per ton at shipping point, which brings it up to $11.50 per ton, basis Baltimore.

NITROGENOUS MATERIAL.—There has been no change from the $2.10 to $2.20 per unit price previously mentioned, with the interest of potential buyers not active.

BONE.—This ammoniate is holding its own quite well, and the sellers are asking $22 per ton for 1 and 60 bone flour, with $26 per ton for 3 and 50 ground steamed, and $28 per ton for 4½ and 50 ground raw stocks.

Chicago, May 10.—Demand for fertilizer materials is reported holding up fairly well at this time, with inquiry better on some grades of products. Material is moving out fairly well on orders in limited amounts, but these are sufficiently numerous to keep a good volume moving in the aggregate. Blood business is quiet and tankage inquiry indicates continued interest. Bone materials are slow, with no special feature reported.

BLOOD.—Principal grade, $2.90 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.50 and 10c.; hoof meal, $2.65; liquid stick, $2.50 to $2.65.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $26; 3 and 50 percent, $27; 4½ and 50 percent, $28 to $29; grinding hoofs, Pigs' toes and waste horn materials, $35 to $45; cattle jaws, skulls and knuckles, $24 to $26; beef cracklings, soft pressed, $42.50 to $45; pork cracklings, soft pressed, $52.50 to [illegible]; hard pressed cracklings, per unit of protein, 87½c. to 90c.

San Francisco, May 9.—Further deliveries of chemicals appeared to be in active progress last week, both on domestic and imported items as the fertilizer spreading season approached the end of the Spring period in California. Prominent was the filling of early and pre-season bookings on the wind-up of foreign nitrogen materials which had arrived on the Coast late in April. In the meantime, animal and fish products are registering firmness, fish meal advancing another dollar per ton, as supplies held in first hands dwindled in quantity. Meat scraps were stronger and there was rather active bidding at times

—Continued on page 66

Fertilizer Tag Sales: April

	P.C. of 1938.	April 1939.	April 1938.	April 1937.	P.C. of 1938.	January-April 1939.	January-April 1938.	January-April 1937.
		Equivalent tons*				Equivalent tons*		
South—								
Virginia†	110	90,905	82,548	103,285	100	270,098	270,075	294,435
North Carolina	121	371,434	307,141	376,904	108	1,005,967	933,648	1,026,497
South Carolina	168	173,192	102,836	114,584	103	584,871	565,881	676,122
Georgia	120	160,368	133,105	175,309	96	615,153	637,971	793,254
Florida†‡	64	20,859	32,645	42,704	90	188,848	210,454	223,201
Alabama	132	234,650	177,700	262,950	117	536,250	456,600	580,850
Mississippi	100	117,775	118,223	131,951	94	257,375	273,354	310,344
Tennessee†	98	44,493	45,615	53,000	90	91,954	92,854	98,548
Arkansas§	87	12,000	13,750	22,925	110	62,900	67,000	63,175
Louisiana†	195	27,751	14,255	25,895	106	120,801	114,172	126,822
Texas†	151	17,640	11,657	19,638	113	76,674	68,044	71,123
Oklahoma	4	10	270	460	94	6,028	6,385	4,950
Totals South	122	1,271,077	1,039,745	1,329,605	104	3,816,919	3,686,438	4,269,321
Midwest—								
Indiana	67	17,313	25,769	29,088	117	111,608	95,145	108,208
Illinois	38	3,862	10,159	4,956	91	19,888	21,953	28,228
Kentucky	66	20,815	31,407	33,195	82	61,823	75,627	76,796
Missouri	458	2,062	450	2,142	84	20,827	24,668	31,292
Kansas	1	5	455	165	38	1,320	3,484	1,930
Totals Midwest	65	44,057	68,240	69,546	98	215,466	220,877	246,454
Grand totals	119	1,315,134	1,107,985	1,399,151	103	4,032,385	3,907,315	4,515,775

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 26,550 tons of cottonseed meal for January-April combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

§ Includes 16,540 tons of phospatic and lime materials for January-April, 1939.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

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Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—6 dms, 1 ton, 5 cwt, 1 qt, 26 lbs, American British Chem Supplies, Laconia, Liverpool
38 dms, 15 tons, 8 cwt, 2 qts, 5 lbs, Monsanto Chem Co, Laconia, Liverpool
50 dms, 22 tons, 2 cwt, 3 qts, 12 lbs, White Tar Co, Laconia, Liverpool
73 dms, 17 tons, 1 cwt, 18 lbs, I M Schwartschild, Laconia, Liverpool
STEARIC—10 cs, Binney & Smith, Zaandam, Rotterdam
ADEPS LANAE—4 cks, Burroughs, Welcome & Co, American Farmer, London
ALBUMEN, BLOOD—1 ck, Rawplug Co, Laconia, Liverpool
ALCOHOL, DENATURED—300 dms, P R Alcohol Co, Angelina, San Juan
ALOE—50 cs, Selma Mercantile Corp, Amor, Curacao
ALUMINUM FOIL—21 cs, Lamont, Corliss & Co, Kaimata, Sydney
AMMONIA, PHOSPHATE SULPHATE—91 bgs, 2,019 lbs, Synthetic Nitrogen Product Corp, New York, Hamburg
SULPHATE—500 bgs, Bradley & Baker, Zaandam, Rotterdam
SULPHOCYAMIDE—20 kgs, 1 ton, 1 cwt, 2 qts, 17 lbs, Pfaltz & Bauer, Laconia, Liverpool
ANGELICA ROOT—1 cs, W & A Gilbey, American Farmer, London
ANISE, STAR—141 bgs, Estrella, Marseilles
ANTIMONY, ORE—528 bgs, Santa Clara, Antofagasta
610 bgs, W R Grace & Co, Santa Clara, Callao
ARROWROOT—400 bgs, 100 bbls, Morningstar Nicol, Fort Townshend, St Vincent
ARSENIC—545 dms, 244,444 lbs, Philip Bauer Co, Estrella, Sete
80 cyls, 22,880 lbs, President Harding, Havre
102 bbls, American Smelting & Refg Co, Panuco, Tampico
ARTISTS MATERIAL—3 cs, Winsor & Newton, American Farmer, London
ASBESTOS—1,334 bgs, Raw Asbestos Distr, Ltd, City of New York, Beira
60 bgs, Standard Bank South Africa, City of New York, Capetown
1,000 bgs, Johns-Manville Corp, City of New York, Trinidad
ASPHALT—575 cks, New York, Bremen
946 bgs, Mexico, Havana
1,074 bbls, 1,701 dms, Fort Townshend, Trinidad
BABASSU KERNELS—1,666 bgs, General Food Corp, Benedict, Maranham
8,665 bgs, General Food Corp, Benedict, Tuloya
BALSAM—25 cs, S Grazi & Co, Santa Paula, Barranquilla
3 dms, W R Grace & Co, Santa Clara, Cristobal
21 cs, Santa Clara, Cristobal
BARYTES—2 cars, United Color & Pigment Co, Seatrain Havana, Havana
BISMUTH, REFD—150 cs, Cerro de Pasco Copper Corp, Santa Clara, Callao
BLOOD, DRIED—508 bgs, Paraguayo, Santos
BONE MEAL — 500 bgs, Northern Prince, Buenos Aires
BRISTLES—2 cs, M Broverman & Son, President Harding, Southampton
8 cs, Chesnut, Cooper & Co, President Harding, Southampton
1 cs, Freedman & Slater, President Harding, Southampton
29 cs, Bank of London-South America, Collamer, Havre
5 cs, F H Cone & Co, Collamer, Havre
3 cs, J Block & Co, American Farmer, London
BUCHU LEAVES—31 bls, C L Huisking & Co, City of New York, Capetown
20 bls, S B Penick & Co, Maine, Capetown
53 bls, National City Bank, New York, Hamburg
CADMIUM—330 cs, Industrial Sales Corp, Jean Jadot, Antwerp
105 cs, International Selling Corp, Black Falcon, Antwerp
CALABAR BEANS—29 bgs, New York, Hamburg
CALCIUM, METALLIC—24 cs, C Hardy, Exeter, Marseilles
CANARY SEED—1,907 bgs, A G Dunn, Nordkap, Buenos Aires
618 bgs, Nordkap, Buenos Aires
692 bgs, Northern Prince, Buenos Aires
CARAWAY SEED—200 bgs, Zaandam, Rotterdam
100 bgs, Archibald & Kendall, Zaandam, Rotterdam
57 bgs, Kraemer & Hauser, Mormacsea, Gdynia
220 bgs, Superintendence Co, Mormacsea, Gdynia
100 bgs, Mormacsea, Gdynia
CARBON DECOLORIZING—28 bgs, R W Greeff & Co, Zaandam, Rotterdam
CARDAMOM—46 cs, President Garfield, Colombo
CAROB BEAN FLOUR—60 bgs, Exeter, Marseilles
PULP—180 bgs, Estrella, Algiers
CASTOR BEANS—1,700 bgs, Spencer Kellogg & Sons, Benedict, Bahia
1,700 bgs, Berkshire Chem Co, Benedict, Bahia
8,494 bgs, Baker Castor Oil Co, Benedict, Bahia
5,100 bgs, Benedict, Bahia
1,693 bgs, Royal Bank of Canada, Benedict, Maceio
1,693 bgs, Bank of London South America, Benedict, Maceio
2,850 bgs, Benedict, Para
1,700 bgs, Mormacmar, Santos
7,650 bgs, Mormacmar, Pernambuco
CELERY SEED—100 bgs, Estrella, Marseilles
100 bgs, President Garfield, Bombay
CELLULOSE EXTRACT, POWD—15 bgs, American Cyanamid & Chem Co, Stavangerfjord, Oslo
CHALK, BLOCK—1,505 tons, Taintor Trading Co, Collamer, Dunkirk
PRECIPITATED—400 cks, H J Baker & Bros, Laconia, Liverpool
CHAMOIS—6 cs, American Sponge & Chamois Co, President Harding, Havre
CHEMICALS—40 cks, Industrial Sales Corp, Jean Jadot, Antwerp
250 bgs, 20 bbls, Industrial Sales Corp, Black Falcon, Antwerp
50 cks, Philip Bauer Co, Black Falcon, Rotterdam
500 bgs, 70 dms, Black Falcon, Rotterdam
16 cs, H A Gogarty, President Harding, Hamburg
2 cs, Wood, Niebuhr & Co, President Harding, Hamburg
2 dms, New York, Hamburg
CHEMICALS—1,016 bgs, Advance Solvents & Chem Co, New York, Bremen
2 cks, 3 cs, 5 dms, Pfaltz & Bauer, New York, Bremen
15 dms, 65 cs, Bergstrom Trading Co, Stavangerfjord, Oslo
100 bgs, Hummel Chem Co, Zaandam, Rotterdam
2 dms, R W Greeff & Co, Zaandam, Rotterdam
10 dms, Richards Chem Works, Zaandam, Rotterdam
20 cs, 2 dms, Zaandam, Rotterdam
80 cks, Haas Bros, Alex Van Opstal, Antwerp
15 cs, 2 dms, Yardley & Co, American Farmer, London
16 cs, Sandoz Chem Works, Ile de France, Havre
13 cks, Geigy Co, Ile de France, Havre
42 dgs, Cincinnati Chem Works, Ile de France, Havre
4 pkgs, Ideal Trading Co, Ile de France, Havre
2 cs, Favor, Ruhl & Co, Ile de France, Havre
4 cs, Hoffmann La Roche, Ile de France, Havre
CHINA CLAY—330 bgs, English China Clay Sales Corp, Antonio, Liverpool
CHROME ORE—1,000 tons, 4 cwt, 1 qtr, 24 lbs, E J Lavino & Co, Maine, Beira
CINCHONA BARK—20 bgs, Santa Paula, Barranquilla
PRODUCTS—24 cs, R W Greeff & Co, Zaandam, Rotterdam
CINCHONINE SULPHATE—5 cs, New York Quinine & Chem Works, Zaandam, Rotterdam
CLOVES—800 bls, City of New York, Zanzibar
COALTAR INTERMEDIATES—6 cs, General Dyestuff Corp, New York, Hamburg
105 cks, 24 dms, General Dyestuff Corp, Zaandam, Rotterdam
COBALT METAL—1,102 cks, Central Trading Corp, Jean Jadot, Antwerp
50 cs, Central Trading Corp, Alex Van Opstal, Antwerp
COCHINEAL—48 bgs, W R Grace & Co, Santa Clara, Callao
COCOA BEANS—21 bgs, Daggett Chocolate Co, Angelina, San Juan
5,600 bgs, Mattawin, Accra
2,400 bgs, Bank of Manhattan, Mattawin, Accra
464 bgs, Guaranty Trust Co, Mattawin, Winnebah
1,056 bgs, Guaranty Trust Co, Mattawin, Saltpond
822 bgs, Mattawin, Takoradi
80 bgs, Guaranty Trust Co, Mattawin, Takoradi
8,250 bgs, Superintendence Co, Mattawin, Grand Bassam
1,500 bgs, Mattawin, Port Bouet
750 bgs, Soc Com'l de L O African, Mattawin, Grand Lahou
1,000 bgs, Daarnhouwer & Co, Benedict, Bahia
7,000 bgs, C M Lobb & Co, Benedict, Bahia
2,500 bgs, General Cocoa Co, Benedict, Bahia
500 bgs, H E Botzon, Benedict, Bahia
116 bgs, Wessel, Duval & Co, Benedict, Manaos
116 bgs, H E Botzon, Benedict, Manaos
115 bgs, W R Grace & Co, Benedict, Manaos
25 bgs, W R Grace & Co, Benedict, Itacoatidra
500 bgs, Fruit Dispatch Co, Talamanca, Havana
600 bgs, Curacao Trading Co, Ponce, Macoris
3,650 bgs, Curacao Trading Co, Ponce, Puerto Plata
250 bgs, Porcella, Vicini & Co, Ponce, Puerto Plata
1,000 bgs, Curacao Trading Co, Ponce, Sanchez
60 bgs, Lopez Mangual & Co, Amor, Maracaibo
100 bgs, Wessel, Duval & Co, Amor, Curacao
500 bgs, Cristobal, S P ports
300 bgs, W R Grace & Co, Santa Paula, Puerto Cabello
250 bgs, Santa Paula, Puerto Cabello
2,148 bgs, Curacao Trading Co, Borinquen, Trujillo
250 bgs, W R Grace & Co, Santa Clara, Manta
250 bgs, Santa Clara, Manta
400 bgs, General Cocoa Co, Leif, Trujillo
1,500 bgs, Wessel, Kulenkampf & Co, Leif, Trujillo
5,800 bgs, Machado & Co, Leif, Sanchez
1,000 bgs, Wessel, Kulenkampf & Co, Leif, Sanchez
800 bgs, Royal Bank of Canada, Leif, Puerto Plata
1,400 bgs, Machado & Co, Leif, Puerto Plata
11,200 bgs, Bank of London & South America, Zarembo, Takoradi
1,600 bgs, Zarembo, Takoradi
2,625 bgs, Superintendence Co, Zarembo, Grand Bassam
1,515 bgs, Rockwood & Co, Zarembo, Sassandra
3,565 bgs, Superintendence Co, Zarembo, Lagos
9,584 bgs, Balfour, Guthrie & Co, Zarembo, Lagos
7,191 bgs, Zarembo, Lagos
6,031 bgs, Rockwood & Co, Zarembo, Loma
1,500 bgs, Zarembo, Loma
4,000 bgs, Bank of London & South America, Zarembo, Accra
800 bgs, Zarembo, Accra
725 bgs, Standard Bank of South America, Zarembo, Cape Coast
105 bgs, Daarnhouwer & Co, Collamer, Havre
575 bgs, Fort Townshend, Port Spain
WASTE—67 bgs, Zaandam, Rotterdam
COCOA BUTTER—20 cs, Zaandam, Rotterdam
COCONUTS—100 bgs, Universal Import & Export Co, Angelina, Mayaguez
462 bgs, Angelina, San Juan
1,247 bgs, General Food Corp, Angelina, San Juan
500 bgs, I L Toledano Corp, Cristobal, Colon
150 bgs, Universal Import & Export Co, Borinquen, San Juan
79 bgs, P R Fruit Exchange, Borinquen, San Juan
60 bgs, Simons-French Co, Borinquen, San Juan
40 bgs, E A Marketing Co, Borinquen, San Juan
300 bgs, J A Manton, Veragua, Kingston
COCONUTS—1,789 bgs, General Food Corp, Veragua, Kingston
COLORS—2 cs, Favor, Ruhl & Co, President Harding, Havre
DRY—10 dms, Stanley Doggett, Zaandam, Rotterdam
COPAIBA BALSAM—120 cs, F B Ross & Co, Benedict, Manaos
COPALIT, CEMENT—20 dms, W J Honan, New York, Hamburg
LIQUID—10 dms, W J Honan, New York, Hamburg
CORIANDER SEED—2 cs, W & A Gilbey, American Farmer, London
1 cs, Yardley & Co, American Farmer, London
CORK—57 bgs, Mundet Cork Co, Estrella, Lisbon
85 bls, Estrella, Algiers
WASTE—735 bls, Express, Bona
WOOD—290 bls, Estrella, Lisbon
51 bls, H Suhl, Express, Algiers
465 bls, Wicander & Co, Express, Bona
359 bls, H Suhl, Express, Bona
180 bls, Express, Bona
COTTON LINTERS—301 bls, Iguassu, Santos
9,288 bls, Chase Natl Bank, Coultarn, Novorossisk
125 bls, Northern Prince, Santos
CRESOL—5 dms, Monsanto Chem Co, Laconia, Liverpool
CUTTLEFISH BONES—206 cs, Express, Sfax
168 cs, Exeter, Marseilles
DERRIS ROOT—225 bls, Marine Midland Trust Co, President Garfield, Singapore
DESIZING AGENT—1 dm, General Dyestuff Corp, Zaandam, Rotterdam
DIPHENYL OXIDE—1 cs, C Hardy, Zaandam, Rotterdam
DRUGS—10 cs, Niebrugge & Day, Mormacsea, Gdynia
DYES—1 cs, E I Du Pont de Nemours Co, Jean Jadot, Antwerp
ALIZARIN—132 cks, 19 jugs, 41 dms, General Dyestuff Corp, Zaandam, Rotterdam
ANILIN—5 cks, General Dyestuff Corp, Bremen, Bremen
61 cks, Fulton Dye & Import Co, President Harding, Havre
9 cks, 1 pkg, General Dyestuff Corp, New York, Hamburg
37 dms, 2 pkgs, Ciba Co, Zaandam, Rotterdam
29 dms, 76 cks, 3 cs, General Dyestuff Corp, Zaandam, Rotterdam
3 cks, Geigy Co, Laconia, Liverpool
6 dms, Ciba Co, Laconia, Liverpool
1 dm, E I Du Pont de Nemours Co, Laconia, Liverpool
7 dms, Sandoz Chem Works, Ile de France, Havre
47 cans, Ciba Co, Ile de France, Havre
128 cks, Geigy Co, Ile de France, Havre
28 kegs, 1 cs, Carbic Color & Chem Co, Ile de France, Havre
14 cks, Fulton Dye & Import Co, Ile de France, Havre
FENUGREEK SEED—160 bgs, Estrella, Casablanca
FERROMANGANESE—125 cks, Charles Hardy, President Harding, Havre
FERTILIZER—100 bgs, F B Vandegrift & Co, American Farmer, London
FILTER, COMP—25 bls, President Harding, Hamburg
PAPER—14 cs, H Reeve, Angel & Co, American Farmer, London
FIRE CLAY—200 bgs, Klay Stone Co, New York, Bremen
FLAXSEED—508,000 kilos, 20,320 bus, L Dreyfus & Co, Nordkap, Concepcion de Uruguay
3,626,700 kilos, 145,068 bus, Archer-Daniels-Midland Co, Paraguayo, Concepcion de Uruguay
FLEASEED—300 bgs, P H Petry & Co, President Garfield, Marseilles
10 bgs, President Garfield, Marseilles
HUSK—26 bgs, T M Duche & Sons, President Garfield, Bombay
60 bgs, President Garfield, Bombay
FLOWER WATER—93 demj, Dodge & Olcott Co, President Garfield, Marseilles
GAMBIER—124 cs, L Littlejohn & Co, Javanese Prince, Singapore
110 cs, E E Androvette, President Garfield, Singapore
GELATIN, POWD—100 bgs, T M Duche & Sons, Zaandam, Rotterdam
SHEET—50 cs, T M Duche & Sons, Zaandam, Rotterdam
GINGER ROOT—90 bgs, D Bacon, Antonio, Liverpool
276 bgs, Zarembo, Freetown
126 bgs, Barclay Bank, Veragua, Kingston
50 bgs, Bank of Nova Scotia, Veragua, Kingston
56 bgs, H H Old & Co, Veragua, Kingston
GLASS, PLATE—14 cs, Brown Bros-Harriman Co, Jean Jadot, Antwerp
10 cs, Semon Bache & Co, Black Falcon, Antwerp
WINDOW—27 cs, Mark Bros, Jean Jadot, Antwerp
50 cs, Vitrea Co, Jean Jadot, Antwerp
46 cs, Semon Bache & Co, Black Falcon, Antwerp
5 cs, Ferndale, Leghorn
GLUE—125 bgs, Gallagher & Ascher, American Farmer, London
9 cs, Ile de France, Havre
BONE—120 bgs, Mormacmar, Buenos Aires
POWD—10 bgs, 10 cks, Rex & Reynolds, Exeter, Marseilles
SHEET—125 bgs, Rex & Reynolds, Exeter, Marseilles
GLYCERIN—63 dms, Paraguayo, Buenos Aires
30 dms, Amour Soap Works, Exeter, Marseilles
GRAPHITE—63 bgs, President Harding, Havre
458 bgs, Jos Dixon Crucible Co, Mahout, Colombo
GREASE—2 cks, Concentrate Mfg Corp, Jean Jadot, Antwerp
WOOL—41 cks, Kaimata, Melbourne
35 dms, Gurge & Co, Laconia, Liverpool
GUM ARABIC—350 bgs, Henry Heide, Mahout, Port Sudan
250 bgs, E Miller & Co, Mahout, Port Sudan
300 bgs, Innis, Speiden & Co, Mahout, Port Sudan
250 bgs, McKesson & Robbins, Mahout, Port Sudan
150 bgs, R J Prentiss & Co, Mahout, Port Sudan
650 bgs, Thurston & Braidich, Mahout, Port Sudan
BENZOIN—3 cs, Arles Co, President Garfield, Marseilles
COPAL — 100 bgs, O G Innes Corp, Jean Jadot, Antwerp
100 bgs, Stroock & Wittenberg, Jean Jadot, Antwerp
10 bgs, Gillespie-Rogers-Pyatt Co, Black Falcon, Antwerp
180 baskets, W H Scheel, Javanese Prince, Tomini Bay
32 baskets, Gillespie-Rogers-Pyatt Co, Javanest Prince, Macassar
GUM, COPAL—67 baskets, Stroock & Wittenberg, Javanese Prince, Macassar
129 baskets, Van Norden & Archibald, Javanese Prince, Macassar
35 bgs, Gillespie-Rogers-Pyatt Co, Javanese Prince, Singapore
293 baskets, T G Cooper & Co, Javanese Prince, Tomini Bay
71 baskets, Stroock & Wittenberg, Javanese Prince, Macassar
400 bgs, Stroock & Wittenburg, Alex Van Opstal, Antwerp
80 bgs, W H Scheel, Alex Van Opstal, Antwerp
40 bgs, S Winterbourne & Co, Alex Van Opstal, Antwerp
20 bgs, France, Campbell & Darling, Alex Van Opstal, Antwerp
DAMMAR—1,050 bgs, O G Innes Corp, Javanese Prince, Singapore
210 bgs, Thurston & Braidich, Javanese Prince, Singapore
50 bgs, Stroock & Wittenberg, Javanese Prince, Singapore
140 bgs, Gillespie-Rogers-Pyatt Co, Javanese Prince, Singapore
210 bgs, American Cyanamid & Chem Co, Javanese Prince, Singapore
562 bgs, S Winterbourne & Co, President Garfield, Singapore
280 bgs, President Garfield, Singapore
GAMBOGE—8 cs, President Garfield, Singapore
GHATTI—18 bgs, S B Penick & Co, President Garfield, Bombay
KARAYA—428 bgs, Frank Vliet Co, President Garfield, Bombay
210 bgs, Jacques Wolf & Co, President Garfield, Bombay
545 bgs, Innis, Speiden & Co, President Garfield, Bombay
678 bgs, S B Penick & Co, President Garfield, Bombay
54 bgs, France, Campbell & Darling, President Garfield, Bombay
547 bgs, Gold Medal Haarlem Oil Co, President Garfield, Bombay
132 bgs, Orbis Product Corp, President Garfield, Bombay
66 bgs, Guaranty Trust Co, President Garfield, Bombay
280 bgs, President Garfield, Bombay
LOCUST BEAN—50 bgs, T M Duche & Sons, President Garfield, Genoa
50 bgs, President Garfield, Genoa
10 bgs, V M Calderon Co, Exeter, Alexandria
MASTIC—10 cs, President Garfield, Port Said
20 cs, S B Penick & Co, Exeter, Piraeus
TRAGACANTH—70 bgs, E Meer & Co, President Harding, Hamburg
401 bgs, President Harding, Hamburg
21 cs, New York, Hamburg
578 bgs, E Meer & Co, President Garfield, Bushire
14 bgs, Drottninghoim, Gothenburg
41 cs, E Meer & Co, Exeter, Beyrouth
15 bgs, Frank Vliet Co, Exeter, Marseilles
YACCA—152 bgs, Irving Trust Co, Kaimata, Adelaide
210 bgs, Kaimata, Adelaide
GYPSUM—6,200 tons, U S Gypsum Co, Gypsum King, Windsor
204 bgs, L A Salomon & Bros, Laconia, Liverpool
5 cks, American Farmer, London
HARDENING POWDER—80 cs, R F Downing & Co, American Farmer, London
HERBS, MEDICINAL—4 bls, R D Hines, President Harding, Hamburg
4 bls, S B Penick & Co, President Harding, Hamburg
IPECAC ROOT—5 bgs, Talamanca, Porto Limon
3 pkgs, Northern Prince, Rio Janeiro
IRISH MOSS—5 bls, R J Prentiss & Co, Ile de France, Havre
130 bls, C H Reisig, Ile de France, Havre
IRON ORE—224 bgs, 75 dms, Reichard Coulston, Laconia, Liverpool
OXIDE—224 bgs, 19 cks, C J Osborn & Co, President Harding, Southampton
15 cks, J A McNulty, Laconia, Liverpool
ISINGLASS — 15 cs, Richard Shipping Co, American Farmer, London
JUNIPER BERRIES—4 cs, W & A Gilbey, American Farmer, London
20 bgs, American Farmer, London
160 bgs, Knickerbocker Mills Co, Ferndale, Leghorn
168 bgs, Ferndale, Leghorn
LAUREL LEAVES—200 bls, 33,000 lbs, Ionian Bank, Express, Patras
LAVENDER FLOWERS—9 bls, Exeter, Marseilles
LEAVES, MEDICINAL—62 bls, Exeter, Marseilles
LEMON PEEL—60 bls, Express, Catania
LICORICE PASTE—150 cs, Estrella, Marseilles
LIME JUICE—10 hhds, Fort Townshend, Dominica
LITHOPONE — 500 cks, Benj Moore & Co, Zaandam, Rotterdam
LIVER MEAL—308 bgs, National City Bank, Mormacmar, Montevideo
LYCOPODIUM—19 cs, 2,633 lbs, McKesson & Robbins, New York, Hamburg
MACE—16 cs, President Garfield, Singapore
10 cs, Barclay Bank, Fort Townshend, Grenada
36 cs, Frank Tea & Spice Co, Fort Townshend, Grenada
10 cs, Royal Bank of Canada, Fort Townshend, Grenada
MAGNESIA, CARBONATE—100 cks, Schofield-Donald Co, Laconia, Liverpool
MANGANESE ORE—3,000 tons, City of New York, Durban
MANGROVE BARK—1,565 bgs, City of New York, Zanzibar
1,035 bgs, Maine, Dar es Salaam
EXTRACT—7,403 bgs, Philippine Cutch Corp, President Garfield, Zamboanga
MATCHES, SAFETY—1,000 cnts, 2 cs, New York Match Co, Drottningholm, Gothenburg
MEDICINAL PREPS—5 cs, Burroughs, Wellcome & Co, American Farmer, London
10 cs, J Peroneni, Exeter, Naples
MICA—329 cs, A O Schoomaker Co, Collamer, Havre
96 cs, American Farmer, London
25 cs, Mahout, Calcutta
12 cs, Northern Prince, Rio Janeiro
BLOCK—45 cs, Guaranty Trust Co, Mahout, Calcutta
SCRAP—43 cs, Northern Prince, Buenos Aires
SPLITTINGS—18 cs, National City Bank, American Farmer, London
18 cs, Guaranty Trust Co, Mahout, Calcutta
75 cs, Gillespie, Rogers, Pyatt Co, Mahout, Calcutta
150 cs, Brown Bros, Harriman Co, Mahout, Calcutta
61 cs, Mahout, Calcutta
MOLASSES—1,438,172 gls, General Molasses Corp, Gertrude Kellogg, Humacao

MUSTARD SEED—100 bgs, Charles Gulden, Black Falcon, Rotterdam
150 bgs, B H Old & Co, Zaandam, Rotterdam
NAPHTHALENE—2,050 bgs, Black Falcon, Rotterdam
1,000 bgs, Zaandam, Rotterdam
NIGERSEED—335 bgs, Chartered Bank of India, President Garfield, Vizagapatam
NUTGALLS—68 bgs, F H Twombly, President Garfield, Baghdad
NUTMEGS—23 bgs, Catz American Co, Javanese Prince, Semarang
224 bgs, P H Petry & Co, Fort Townshend, Grenada
100 bgs, Thomas Scott & Co, Fort Townshend, Grenada
50 bgs, Barclay Bank, Fort Townshend, Grenada
150 bgs, Frank Tea & Spice Co, Fort Townshend, Grenada
150 bgs, B H Old & Co, Fort Townshend, Grenada
50 bgs, Royal Bank of Canada, Fort Townshend, Grenada
260 bgs, American Farmer, London
NUX VOMICA—350 bgs, Javanese Prince, Saigon
OAKMOSS POWD—2 cs, Yardley & Co, American Farmer, London
OCHER—76 cks, E E Marks & Co, Estrella, Sete
50 cks, Estrella, Sete
135 bgs, Reichard Coulston, Laconia, Liverpool
4,576 bgs, 70 cks, Reichard Coulston, Exeter, Marseilles
30 cs, 80 bgs, Exeter, Marseilles
300 bgs, Landers Segal Color Co, Exeter, Marseilles
OIL, ALMOND—15 cs, P R Dreyer, Exeter, Marseilles
10 cs, G Lueders & Co, Exeter, Marseilles
79 cs, 5 dms, Exeter, Marseilles
25 cs, Ungerer & Co, Exeter, Marseilles
BAY—10 cs, Barclay Bank, Fort Townshend, Dominica
BERGAMOT—20 half cs, Lo Curto & Funk, Express, Messina
40 half cs, Dodge & Olcott, Express, Messina
111 qr cs, Lo Curto & Funk, Express, Messina
CASHEW SHELL—1 cs, Abel Reggio, President Garfield, Mangalore
COCONUT—306 tons, Wecoline Product, Inc, Muensterland, Cebu
300 tons, Wecoline Product, Inc, Muensterland, Manila
COD—400 cks, Stavangerfjord, Bergen
CODLIVER—320 dms, C L Huisking & Co, Stavangerfjord, Alesund
100 bbls, E M Javitz Co, Stavangerfjord, Alesund
160 dms, P R Dreyer, Stavangerfjord, Alesund
50 dms, Davis & Lawrence, Stavangerfjord, Alesund
15 dms, H H Rosenthal Co, Stavangerfjord, Bergen
25 bbls, McKesson & Robbins, Stavangerfjord, Bergen
50 bbls, Stavangerfjord, Bergen
691 dms, Stavangerfjord, Reykjavik
1,000 dms, Brown Bros Harrimann Co, Alex Van Opstal, Antwerp
1,304 dms, C T Smith, Alex Van Opstal, Antwerp
COTTONSEED—800 tons, Swift & Co, Northern Prince, Santos
CYLINDER—10 cs, Baker, Carver & Morrel, Stavangerfjord, Bergen
ESSENTIAL—35 cs, Estrella, Lisbon
2 cs, Estrella, Marseilles
2 cs, President Harding, Havre
1 cs, President Harding, Lyon
8 cs, Zaandam, Rotterdam
6 cs, Queen Mary, Southampton
6 cs, President Garfield, Penang
37 pkgs, President Garfield, Marseilles
6 bbls, Collamer, Havre
9 cs, Yardley & Co, American Farmer, London
45 pkgs, Exeter, Marseilles
24 pkgs, Ile de France, Havre
ETHEREAL—2 dms, Dodge & Olcott Co, Zaandam, Rotterdam
FUEL—72,000 bbls, Standard Oil Co of N J, Niobe, Aruba
115,000 bbls, Standard Oil Co of N J, Esso New Orleans, Aruba
95,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
GERANIUM—8 dms, City of New York, Mombasa
13 dms, Estrella, Marseilles
12 dms, Yardley & Co, President Garfield, Marseilles
5 dms, J Manheimer, President Garfield, Marseilles
20 dms, Express, Algiers
LAVENDER—1 dm, Estrella, Marseilles
LEMON—75 hlf cs, Dodge & Olcott Co, Express, Messina
350 qtr cs, Fritzsche Bros, Express, Messina
15 qtr cs, Orbis Product Corp, Express, Messina
20 qtr cs, Lo Curto & Funk, Express, Messina
LUBRICATING—90 dms, Jean Jadot, Antwerp
223 cs, Texas Co, City of New York, Trinidad
125 dms, Webbal Service Co, Black Falcon, Antwerp
12 dms, Shell Union Corp, Queen Mary, Southampton
85 dms, Alex Van Opstal, Antwerp
MANDARIN—10 hlf cs, Dodge & Olcott Co, Express, Messina
NUT—50 dms, I R Boody & Co, Black Falcon, Rotterdam
OITICICA—374,150 kilos, National City Bank, Benedict, Ceara
547 dms, Benedict, Ceara
1 pkg, Brazil Oiticica Co, Benedict, Ceara
OLIVE—1,065 cs, Exeter, Leghorn
135 dms, Atlantic & Pacific Tea Co, Exeter, Genoa
25 dms, Rome Import Co, Exeter, Genoa
75 dms, Ocean Shipping Co, Exeter, Genoa
35 dms, Andrea Auelli, Exeter, Genoa
50 dms, Gus Sclafani, Exeter, Genoa
5 dms, Cumberland Macaroni Mfg Co, Exeter, Genoa
15 dms, A Mule & Son, Exeter, Genoa
212 cs, 5 dms, Exeter, Marseilles
815 cs, Ferndale, Leghorn
40 dms, Estrella, Lisbon
50 dms, Estrella, Marseilles
750 cs, Estrella, Algiers
10 dms, J J Pagliaro, President Garfield, Genoa
50 dms, Olive Oil Industry, President Garfield, Genoa
50 dms, Pastene & Co, President Garfield, Genoa
925 cs, President Garfield, Genoa
50 dms, J Alban & Co, President Garfield, Marseilles
50 dms, Schroeder Bros, President Garfield, Marseilles
10 dms, Balfour, Guthrie & Co, American Farmer, London
300 cs, Express, Algiers
50 dms, Bank of Manhattan, Express, Algiers
14 cks, 20 cs, Express, Palermo
50 dms, Guaranty Trust Co, Express, Sfax
25 dms, A Canao, Express, Sfax
100 dms, Bonal Packing Corp, Express, Sfax
25 dms, Margarites Bros, Express, Mytilene

OIL, OLIVE—75 dms, Lekas & Drivas, Exeter, Piraeus
50 dms, Olive Oil Industry, Exeter, Piraeus
50 dms, Agash Refg Co, Exeter, Piraeus
100 dms, Venice Import Co, Exeter, Piraeus
25 dms, Public National Bank, Exeter, Piraeus
75 dms, Banca di Napoli, Exeter, Piraeus
60 dms, National Bank of Greece, Exeter, Piraeus
50 dms, Bank of Athens, Exeter, Piraeus
75 dms, Ionian Bank, Exeter, Piraeus
25 dms, Levant America Com'l Co, Exeter, Piraeus
375 dms, Smith-Wehman Co, Exeter, Piraeus
350 dms, Com'l Bank of Greece, Exeter, Piraeus
50 dms, Banca Com'l Italian, Exeter, Piraeus
350 cs, Exeter, Piraeus
OLIVE SULPHUR—217,550 kilos, Leghorn Trading Co, Express, Algiers
211,819 kilos, Leghorn Trading Co, Express, Susa
342,690 kilos, Leghorn Trading Co, Express, Sfax
ORANGE—25 cs, Geo Lueders & Co, Express, Messina
25 hf cs, Dodge & Olcott Co, Express, Messina
PALM — Quantity, Banque Belge pour l'Etranger, Javanese Prince, Belawan
PALMAROSA—4 pots, Ungerer & Co, President Garfield, Bombay
PEANUT—75 dms, Zaandam, Rotterdam
ROSEWOOD—12 dms, Benedict, Manaos
2 dms, Estrella, Marseilles
SESAME—50 dms, President Garfield, Alexandria
VEGETABLE—42,500 kilos, I R Boody & Co, Zaandam, Rotterdam
3 bbls, Rohmer, Gehrig & Co, Queen Mary, Southampton
YLANG YLANG—6 dms, Estrella, Marseilles
1 cs, 21 dms, 8 kgs, Exeter, Marseilles
ORANGE PEEL—1 cs, W & A Gilbey, American Farmer, London
60 bls, Express, Messina
40 bls, Express, Catania
17 bls, Knickerbocker Mills Co, Ferndale, Leghorn
ORE—1 cs, Philipp Bros, Jean Jadot, Antwerp
ORRISROOT—1 cs, W & A Gilbey, American Farmer, London
6 cks, Yardley & Co, American Farmer, London
15 bgs, Lo Curto & Funk, Ferndale, Leghorn
PAPAIN—22 cs, President Garfield, Colombo
10 cs, American Farmer, London
PAPRIKA — 30 bgs, Goudrand Shipping Co, President Harding, Hamburg
78 bgs, H Schoenfeld & Son, President Harding, Hamburg
25 bgs, National Carloading Co, President Harding, Hamburg
150 bgs, President Harding, Hamburg
72 bgs, Victory Shipping Co, New York, Hamburg
PEATMOSS—3,480 bls, Valdona, Riga
600 bls, 50 half bls, New York, Bremen
550 bls, Richard Shipping Co, Zaandam, Rotterdam
1,485 bls, Half Moon Mfg & Trading Corp, Zaandam, Rotterdam
2,934 bls, Charles K Ketzel, Zaandam, Rotterdam
2,300 bls, 450 half bls, Premier Peatmoss Corp, Zaandam, Rotterdam
250 bls, Dal International Trading Co, Mormacsea, Gdynia
PEPPER, BLACK—172 bgs, Catz American Co, Javanese Prince, Batavia
PETROLEUM, CRUDE—9,878 tons, Standard Oil Co of N J, Pollux, Caripito
3,083 tons, Standard Oil Co of N J, Pollux, Guiria
117,045 bbls, Standard Oil Co of N J, F H Bedford, Guiria
71,960 bbls, Cities Service Oil Co, Service Ohio, Las Piedras
66,000 bbls, Standard Oil Co of N J, Paul H Harwood, Caripito
POPPYSEED—100 bgs, Catz American Co, Zaandam, Rotterdam
100 bgs, M Witsenburg, Zaandam, Rotterdam
POTASH, CAUSTIC—20 dms, Innis, Speiden & Co, New York, Hamburg
CHLORATE—400 dms, Charles Hardy, Black Falcon, Antwerp
25 bbls, 800 dms, International Selling Corp, Collamer, Havre
SALT—12 kegs, Queen Mary, Southampton
12 kegs, 3 cs, American Farmer, London
POTTERS GLAZES—1 ck, B F Drakenfeld & Co, Laconia, Liverpool
PUMICE—770 bgs, C B Chrystal & Co, Express, Canneto
620 bgs, J H Rhodes & Co, Express, Canneto
LUMP—100 bgs, C B Chrystal & Co, Express, Canneto
2,432 bgs, 6 cks, J H Rhodes & Co, Express, Canneto
PYRETHRUM FLOWERS—275 bls, City of New York, Mombasa
200 bls, Maine, Mombasa
QUEBRACHO BARK — 54 bgs, R J Gates, Paraguayo, Buenos Aires
EXTRACT—1,250 bgs, International Product Co, Northern Prince, Buenos Aires
QUICKSILVER—10 flks, F W Pabst, Mexico, Vera Cruz
75 flks, Chase National Bank, Mexico, Vera Cruz (option London)
30 flks, Chase National Bank, Panuco, Tampico (option London)
QUINIDINE SULPHATE — 5 cs, New York Quinine & Chem Works, Zaandam, Rotterdam
QUININE ETHYLCARBONATE—1 cs, New York Quinine & Chem Works, Zaandam, Rotterdam
RADIUM—3 cs, Radium Chem Co, Jean Jadot, Antwerp
2 cs, Radium Chem Co, Alex Van Opstal, Antwerp
RICE FLOUR—300 bgs, Stein, Hall & Co, Zaandam, Rotterdam
112 bbls, Stein, Hall & Co, Alex Van Opstal, Antwerp
ROOT, MEDICINAL—40 bgs, President Garfield, Marseilles
90 bgs, Exeter, Marseilles
ROSE LEAVES—8 cks, Yardley & Co, American Farmer, London
SAFFRON FLOWERS—1 cs, Arles Co, President Garfield, Marseilles
SANDALWOOD—5 bgs, Peek & Velsor, New York, Hamburg
POWD — 3 cks, Yardley & Co, American Farmer, London
SEED, MEDICINAL—72 bgs, P H Petry & Co, President Garfield, Marseilles
SESAME SEED—516 bgs, Bingham & Co, Santa Clara, Cristobal
692 bgs, T M Duche & Sons, Mahout, Port Sudan
125 bgs, Gordon Wolf Cowen Co, Exeter, Alexandria
155 bgs, Exeter, Alexandria
SHEEP DIP, POWD—500 cs, W Cooper & Nephews, American Farmer, London
SHELLAC—48 bgs, 83 cs, A Hurst & Co, New York, Hamburg
67 cs, Atlantic Forwarding Co, American Farmer, London
15 cs, Wm Zinsser & Co, American Farmer, London
100 bgs, 75 cs, Irving Trust Co, Mahout, Calcutta
635 bgs, Wm Zinsser & Co, Mahout, Calcutta

SHELLAC—200 bgs, 50 cs, Guaranty Trust Co, Mahout, Calcutta
200 bgs, Brown Bros Harrimann Co, Mahout, Calcutta
100 bgs, Mahout, Calcutta
BUTTON LAC—50 bgs, Guaranty Trust Co, Mahout, Calcutta
10 bgs, Wm Zinsser & Co, Mahout, Calcutta
GARNET LAC—50 bgs, Guaranty Trust Co, Mahout, Calcutta
SEEDLAC—200 bgs, E E Androvette, Mahout, Calcutta
200 bgs, Wm Zinsser & Co, Mahout, Calcutta
400 bgs, Ralli Bros, Mahout, Calcutta
350 bgs, National City Bank, Mahout, Calcutta
500 bgs, Guaranty Trust Co, Mahout, Calcutta
SIENNA—160 cks, 150 bgs, Reichard Coulston, Ferndale, Leghorn
SILICON CARBIDE—2,080 bgs, 160 cs, D C Andrews & Co, Stavangerfjord, Oslo
SOAP—20 cs, Estrella, Marseilles
7 cs, Queen Mary, Southampton
25 cs, Exeter, Haifa
1,885 cs, Conti Product Co, Exeter, Leghorn
300 cs, J P Smith & Co, Exeter, Marseilles
BASE—181 bgs, Yardley & Co, American Farmer, London
STEARIC ACID—3 cs, Yardley & Co, American Farmer, London
TOILET—6 cs, C A Redden, American Farmer, London
SODA CYANIDE—125 cks, 1,210 cyls, Charles Hardy, Ile de France, Havre
HYDROSULPHITE—60 dms, Collamer, Dunkirk
SULPHATE—1,744 bgs, Santa Clara, Antofagasta
URANATE ORANGE—40 cks, Central Trading Corp, Jean Jadot, Antwerp
URANATE YELLOW—300 cks, Central Trading Corp, Jean Jadot, Antwerp
SOLVENTS—320 dms, C P Chem Solvents, Angelina, Ponce
SPONGES — 12 bls, American Sponge & Chamois Co, Mexico, Havana
25 bls, Schroeder & Tremayne, Mexico, Havana
REFUSE—8 bls, American Sponge & Chamois Co, Mexico, Havana
SQUILL—209 bgs, S B Penick & Co, Estrella, Algiers
60 bgs, Express, Catania
STARCH—1 cs, Oskar Eismann, Zaandam, Rotterdam
RICE POWD—25 bbls, H A Gogarty, Jean Jadot, Antwerp
STEATITE—4 bbls, M Kirchberger & Co, Exeter, Leghorn
TALC—400 bgs, L A Salomon & Bros, Collamer, Havre
300 bgs, Whittaker, Clark & Daniels, Collamer, Havre
1,000 bgs, C B Chrystal & Co, Ferndale, Naples
250 bgs, Ferndale, Leghorn
TAMARINDS—1 bbl, Colonial Molasses Co, Fort Townshend, Barbados
TANKAGE — 1,000 bgs, Mormacmar, Montevideo
1,829 bgs, National City Bank, Mormacmar, Montevideo
907 bgs, Mormacmar, Santos
2,536 bgs, Van Iderstine Co, Nordkap, Buenos Aires
1,000 bgs, H M Rubin, Nordkap, Buenos Aires
999 bgs, Wessel, Duval & Co, Nordkap, Buenos Aires
1,000 bgs, Nordkap, Buenos Aires
1,524 bgs, Paraguayo, Santos
6,096 bgs, C Hollinshed Co, Paraguayo, Montevideo
1,000 bgs, H J Baker & Bros, Paraguayo, Buenos Aires
500 bgs, Kaimata, Sydney
TAPIOCA, FLOUR—506 bgs, A D Welds Son, Javanese Prince, Sourabaya
300 bgs, W R Grace & Co, Javanese Prince, Samarang
1,070 bgs, Balfour, Guthrie & Co, Javanese Prince, Batavia
336 bgs, Java American Export Co, Javanese Prince, Pasoeroean
TARTAR—205 bgs, J P Morgan & Co, Estrella, Lisbon
493 bgs, Standard Brands, Estrella, Marseilles
291 bgs, Charles Pfizer & Co, Estrella, Marseilles
1,281 bgs, Standard Brands, Express, Algiers
518 bgs, Standard Brands, Ferndale, Naples
303 bgs, Ferndale, Naples
250 bgs, Baker Chem Co, Ferndale, Naples
THYME LEAVES—40 bls, Estrella, Marseilles
65 bls, Van Loan & Co, Exeter, Marseilles
60 bls, Exeter, Marseilles
TIMBO ROOT—441 cs, Benedict, Para
TONKA BEANS—3 bbls, 2 cs, Benedica, Para
TUBA ROOT—300 bgs, J Powell & Co, Javanese Prince, Saigon
48 bls, Javanese Prince, Singapore
48 bls, President Garfield, Singapore
TUCUM KERNELS—5,906 bgs, General Food Corp, Benedict, Tutoya
TURMERIC—240 bgs, Javanese Prince, Colombo
URANIUM, MINERAL RESIDUE—701 pkgs, Central Trading Corp, Jean Jadot, Antwerp
OXIDE BLACK—45 cks, Central Trading Corp, Jean Jadot, Antwerp
VANILLA BEANS—11 cs, Manuel Alvarez, Mexico, Vera Cruz
20 cs, Dodge & Olcott Co, President Garfield, Marseilles
7 cs, Geo Lueders & Co, President Garfield, Marseilles
35 cs, President Garfield, Marseilles
14 cs, Dammann & Smeltzer, President Garfield, Marseilles
24 cs, Rene Moelhausen, Fort Townshend, Guadeloupe
49 cs, French Line, Mahout, Port Said
30 cs, Dodge & Olcott Co, Exeter, Marseilles
21 cs, Marine Midland Trust Co, Exeter, Marseilles
11 cs, Guaranty Trust Co, Ile de France, Havre
VIOLET, MINERAL—10 dms, E I du Pont de Nemours & Co, Zaandam, Rotterdam
WATER, MINERAL—600 cs, E & J Burke, Estrella, Marseilles
600 cs, American Agency French Vichy, Ile de France, Havre
75 cs, H S Dorf & Co, Ile de France, Havre
WATTLE BARK—3,885 bls, City of New York, Mombasa
EXTRACT—2 bgs, City of New York, Mombasa
WAX—10 cks, General Dyestuff Corp, Zaandam, Rotterdam
BEES—5 bgs, D Steengrafe, Angelina, San Juan
494 bgs, Iguassu, Rio de Janeiro
8 bgs, Schutte & Focke, Ponce, Azua
10 bgs, Curacao Trading Co, Ponce, Azua
12 bgs, Machado & Co, Ponce, Puerto Plata
8 bgs, H H Pike & Co, Ponce, Puerto Plata
10 bgs, Maine, Mombasa
51 bgs, Estrella, Lisbon
18 seroons, Porcella, Vicini & Co, Leif, Puerto Plata
18 bgs, President Garfield, Alexandria
724 pkgs, Mahout, Port Sudan
80 bgs, Smith & Nichols, Northern Prince, Santos
CANDELILLA—253 bgs, M Argueso & Co, Panuco, Tampico

WAX, CARNAUBA—1 pkg, Rutger, Bleecker & Co, Benedict, Ceara
142 bgs, American Cyanamid & Chem Co, Benedict, Bahia
120 bgs, Strahl & Pitsch, Benedict, Bahia
144 bgs, Bank of London & South America, Benedict, Bahia
224 bgs, Strohmeyer & Arpe Co, Benedict, Ceara
56 bgs, American Cyanamid & Chem Co, Benedict, Ceara
23 bgs, Philadelphia National Bank, Benedict, Ceara
36 bgs, Bank of London & South America, Benedict, Ceara
56 bgs, W R Grace & Co, Benedict, Ceara
54 bgs, S C Johnson Son, Benedict, Ceara
342 bgs, Benedict, Ceara
313 bgs, Bank of London & South America, Benedict, Tutoya
313 bgs, Strahl & Pitsch, Benedict, Tutoya
251 bgs, American Cyanamid & Chem Co, Benedict, Tutoya
38 bgs, Bank of Manhattan, Benedict, Tutoya
440 bgs, Strohmeyer & Arpe Co, Benedict, Tutoya
101 bgs, Benedict, Tutoya
56 bgs, Innis, Speiden & Co, Iguassu, Rio Janeiro
223 bgs, American Cyanamid & Chem Co, Iguassu, Rio Janeiro
141 bgs, Guaranty Trust Co, Iguassu, Rio Janeiro
111 bgs, Iguassu, Rio Janeiro
MONTAN—667 bgs, Innis, Speiden & Co, President Harding, Hamburg
1,875 bgs, Strohmeyer & Arpe Co, President Harding, Hamburg
WHITING—2,000 bgs, Nicholas H Weitzner, Jean Jadot, Antwerp
800 bgs, Nicholas H Weitzner, Alex Van Opstal, Antwerp
WOLFRAM ORE—400 bgs, Kaimata, Melbourne
WOODFLOUR—1,000 bgs, B L Soberski, Stavangerfjord, Frederickstad
YEAST—40 bbls, New York, Hamburg
400 bgs, Laconia, Liverpool
ZINC OXIDE—50 bbls, Innis, Speiden & Co, Jean Jadot, Antwerp
25 bbls, Innis, Speiden & Co, Alex Van Opstal, Antwerp
5 bgs, Yardley & Co, American Farmer, London
ZINC-AMMONIA CHLORIDE—20 cks, 11,880 lbs, American Cyanamid & Chem Co, Black Falcon, Antwerp

New York Transit Imports

BRONZE POWDER—5 cks, Bremen, Bremen, St Louis
DIACETHYL—2 cs, Zaandam, Rotterdam, Buffalo
DRUGS—21 cs, R F Downing & Co, Laconia, Liverpool, Buffalo
GUM EUCALYPTUS—4 cs, C A Smith, Kaimata, Melbourne, Montreal
CALCIUM OXIDE—3 bgs, Eagle-Picher Sales Co, Queen Mary, Southampton, Hillsboro Ills
OIL, CASHEW, SHELL—455 dms, Harvel Research Corp, President Garfield, Mangalore, Irvington, N J
EUCALYPTUS—20 cs, 1 dm, W J Bush & Co, Kaimata, Melbourne, Montreal
15 cs, Kaimata, Melbourne, Montreal
PAPRIKA—150 bgs, President Harding, Hamburg, Chicago
50 bgs, Universal Carloading, President Harding, Hamburg, Detroit
SPONGES—17 bls, Mexico, Vera Cruz, Lyon
8 bls, Mexico, Vera Cruz, Santos
3 bls, Mexico, Vera Cruz, Montreal
REFUSE—5 bls, Mexico, Vera Cruz, Montreal
VANILLA BEANS—56 cs, M Cortizas Co, Mexico, Vera Cruz, Philadelphia

Baltimore Imports

AMMONIA, SULPHATE—200 bgs, Black Gull, Rotterdam
AMMONIATED PHOSPHATE—181 bgs, National City Bank, N Y, Black Gull, Antwerp
BLOOD, DRIED—1,016 bgs, Bonheur, Santos
BONE, FLOUR—3,310 bgs, Liberty, Hamburg
2,206 bgs, City of Flint, Hamburg
MEAL—500 bgs, Ida, Fiume
1,103 bgs, Black Gull, Rotterdam
CHEMICALS—100 sks, Black Gull, Rotterdam
20 dms, American Cyanamid & Chemical Corp, Black Gull, Antwerp
200 bgs, Scanmail, Copenhagen
CHROME ORE—2,050 tons, Exchester, Mersin
COPRA—500 tons, Procter & Gamble Co, Munsterland, Bulan
1,000 tons, Procter & Gamble Co, Munsterland, Zamboanga
500 tons, Procter & Gamble Co, Munsterland, Cebu
INFUSORIAL EARTH—480 bgs, Exchester, Oran
IRON ORE—22,300 tons, Bethlehem Steel Co. Amerikaland, Cruz Grande
9,179 tons, Leo J Buck, Nuolja, Narvik
7,603 tons, Leo J Buck, Strassa, Narvik
10,500 tons, Bethlehem Steel Co, Cubore, Daiquiri
MAGNESITE—5,368 bgs, General Refractories Co, Ida, Trieste
20 dms, Black Gull, Rotterdam
MANGANESE ORE—1,500 tons, Carnegie Steel Co, Inverbank, Calcutta
1,000 tons, Carnegie Steel Co, City of Adelaide, Calcutta
8,000 tons, Risanger, Santiago
MEAKIN MEAL—4,000 bgs, Noto, Kobe
MOLASSES—1,792,753 gls, Cuba Distilling Co, Hadnot, Matanzas
OIL, CODLIVER—15 dms, City of Flint, Hamburg
100 dms, 100 bbls, City of Flint, Hull
FUEL—54,000 bbls, Standard Oil Co, N J, Inverarder, Aruba
OLIVE—100 dms, Exchester, Piraeus
ORE, MINERAL—618 bgs, Risanger, Santiago
PEATMOSS—1,500 bls, Valdona, Tallinn
2,180 bls, Liberty, Hamburg
600 bls, City of Flint, Hamburg
500 bls, 500 half bls, City of Flint, Hamburg
2,875 bls, Black Gull, Rotterdam

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POTASH, CHLORATE—300 bbls, Innis, Speiden & Co, Vingaren, Gothenburg
MURIATE—1,000 bgs, First National Bank, Boston, Jobshaven, Antwerp
SULPHATE—10,000 bgs, First National Bank, Boston, Jobshaven, Antwerp
PYRETHRUM FLOWERS—53 bls, Ida, Trieste
PYRITES—2,525 tons, Consul Olsson, Huelva
7,841 tons, Llandilo, Huelva
RED EARTH—600 bgs, Liberty, Hamburg
SARDINE MEAL—6,000 bgs, Noto, Kobe
SEAWEED MEAL—400 bgs, Kiyokawa, Yokohama
SESAME SEED—130 bgs, Silvercedar, Colombo
SODA SILICOFLUORIDE—400 bgs, City of Flint, Hamburg
TALC—1,025 bgs, Independence Hall, Bordeaux
TANKAGE—454 bgs, Bonheur, Santos

Boston Imports

ACID, CRESYLIC—25 dms, 5 tons, 13 cwt, 1 qr, 12 lbs, Laconia, Liverpool
ANTIMONY SULPHIDE—21 cks, 2 tons, 13 cwt, 16 lbs, Wishnick-Tumpeer, Laconia Liverpool
BONES—414 bgs, 44,577 lbs, Mormacmar, Santos
1,424 bgs, 113,449 lbs, Charles Hollinshed & Co, Rio Pardo, Montevideo
CANARY SEED—248 bgs, 33,071 lbs, Thomas W Emerson, Rio Pardo, Buenos Aires
CHINA CLAY—200 bgs, 10 tons, 5 cwt, English China Clays Sales Corp, Newfoundland, Liverpool
CLOVES—210 bgs, Silverwalnut, Singapore
COCOA BEANS—696 bgs, Sanyo Maru, Cristobal
1,480 bgs, 102 tons, G L Gaiser, Zarembo, Lagos
712 bgs, 51 tons, Superintendence Co, Zarembo, Lagos
4,361 bgs, 312 tons, Zarembo, Lagos
3,012 bgs, 453,202 lbs, Cie Francaise de l'Afrique Occidentale, Zarembo, Lome
1,000 bgs, 224,000 lbs, Zarembo, Accra
750 bgs, 51 tons, Superintendence Co, Zarembo, Saltpond
685 bgs, 51 tons, Superintendence Co, Cathlamet, Lagos
1,500 bgs, 102 tons, Superintendence Co, Cathlamet, Saltpond
2,250 bgs, 155 tons, Superintendence Co, Cathlamet, Grand Bassam
800 bgs, 51 tons, Cathlamet, Accra
2,900 bgs, 464,000 lbs, First National Bank, Cathlamet, Takoradi
1,506 bgs, 102 tons, Cie Francaise de l'Afrique Occidentale, Port Bouet
797 bgs, New Brunswick, Lagos
12,736 bgs, Walter Baker & Co, New Brunswick, Accra
750 bgs, Superintendence Co, New Brunswick, Winneba
1,600 bgs, Guaranty Trust Co, New Brunswick, Takoradi
800 bgs, New Brunswick, Takoradi
728 bgs, New Brunswick, Grand Bassam
1,500 bgs, New Brunswick, Port Bouet
COCONUT—200 bgs, Universal Import & Export Co, Lady Nelson, St Vincent
COLOR, DRY—4 cs, American Express Co, Laconia, Liverpool
DISTILLATE, COALTAR—70 dms, 16 tons, 19 cwts, 1 qtr, 16 lbs, Monsanto Chemical Company, Laconia, Liverpool
EMERY FILLET—1 cs, J Hetherington & Sons, Laconia, Liverpool
FERTILIZER—20 bgs, American Express Co, American Farmer, London
FISH LIVERS, HALIBUT—13 cs, from Nova Scotia
216 crtns, General Seafoods Corp, Newfoundland, Halifax
1 bx, J A Rich Co, Evangeline, Yarmouth
GAMBIER—124 cs, Littlejohn & Co, Javanese Prince, Singapore
GINGER, ROOT—190 bgs, New Brunswick, Freetown
105 bgs, 5 tons, 5 cwts, 2 qtrs, 23 lbs, Barclays Bank, Cathlamet, Freetown
GLUE, MARINE PITCH—3 crts, 2 dms, L W Ferdinand & Co, American Farmer, London
GLUESTOCK, FISH—8 bxs, 1 bbl, 34 cs, J R Poole Co, Evangeline, Yarmouth
3 bbls, R H Ranagan, Evangeline, Yarmouth
HIDE—188 bgs, 15 tons, 1 cwt, 3 qtrs, 3 lbs, First National Bank, Newfoundland, Liverpool
671 bgs, 55 tons, 15 cwts, 13 lbs, Atlantic Gelatine Co, Laconia, Liverpool
516 bgs, 35 tons, 4 cwts, 13 lbs, First National Bank, Laconia, Liverpool
GYPSUM—2,300 tons, U S Gypsum Co, Facto, Windsor, N S
2,100 tons, U S Gypsum Co, Facto, Windsor, N S
LIME JUICE—69 hgshds, Lady Nelson, Dominica
MAGNESIA CARBONATE—224 bgs, 5 tons, 3 cwts, 2 qtrs, Schofield, Donald Co, Laconia, Liverpool
MICA SPLITTINGS—205 cs, Guaranty Trust Co, Mahout, Calcutta
50 cs, National City Bank, Mahout, Calcutta
30 cs, Mahout, Calcutta
MOLASSES—1 bbl, Arthur Suthery, Evangeline, St John, N B
2,500 bbls, Boston Molasses Co, Ingrid, Barbados
OIL, COCONUT—1,540 tons, Philippine Refining Corp, Silverwalnut, Cebu
COD—50 csks, Newfoundland, St John's, N F
20 bbls, William J Dodge Co, Newfoundland, St John's, N F
FUEL—32,200 bbls, 1,352,400 gls, Colonial Beacon Oil Co, Christian Holm, Aruba
PALM—1,769,945 lbs, Balfour, Guthrie & Co, Zaremba, Matadi
2,303,983 lbs, Balfour, Guthrie & Co, Cathlamet, Matadi
245 dms, Balfour, Guthrie & Co, New Brunswick, Abonema
PETROLEUM, CRUDE—17,325 tons, 5,157,909 gls, Standard Oil Co of N J, D L Harper, Cartagena (Col)
16,527 tons, 4,912,818 gls, Standard Oil Co of N J, J A Mowinckel, Cartagena
54,748 bbls, 8,229 tons, Colonial Beacon Oil Co, Christian Holm, Las Piedras
QUEBRACHO EXTRACT—1,372 bgs, 147,430 lbs, Tannin Corp, Mormacmar, Buenos Aires
100 bgs, 10,821 lbs, International Products Corp, Mormacmar, Buenos Aires
15,773 bgs, 1,678,821 lbs, American Tanners, Rio Pardo, Buenos Aires
SHELLAC—50 bgs, Irving Trust Co, Mahout, Calcutta
50 bgs, Guaranty Trust Co, Mahout, Calcutta
200 bgs, Mahout, Calcutta
500 bgs, Bank of the Manhattan, Mahout, Calcutta
50 bgs, J Henry Schroeder Banking Corp, Mahout, Calcutta
75 bgs, Grace National Bank, Mahout, Calcutta
BUTTONLAC—10 bgs, Grace National Bank, Mahout, Calcutta
SOAP—100 cs, 4,025 lbs, Conti Products Corp, Exeter, Leghorn
SADDLE—10 cs, Stone & Downer, American Farmer, London
TOILET—10 cs, American Express Co, Laconia, Liverpool
1 cs, Lever Bros, Laconia, Liverpool
40 cs, T D Downing Co, American Farmer, London
SODA, HYDROSULPHITE—50 kgs, Philipp Bros, Laconia, Liverpool
TANKAGE—1,000 bgs, 110,230 lbs, Mormacmar, Montevideo
600 bgs, 66,138 lbs, H J Baker & Bros, Rio Pardo, Buenos Aires
508 bgs, 55,997 lbs, Charles Hollinshed & Co, Rio Pardo, Buenos Aires
TAPIOCA FLOUR—519 bgs, Stein, Hall & Co, Glaucus, Cheribon
1,103 bgs, Minute Tapioca Co, Silverwalnut, Pasoeroean
2,206 bgs, Industrial Trust Co, Silverwalnut, Pasoeroean
250 bgs, Philadelphia National Bank, Javanese Prince, Cheribon
SEED—82 bgs, Silverwalnut, Cheribon
TURMERIC—240 bgs, Volkart Bros, Glaucus, Alleppey
VANILLA BEANS—7 cs, Exeter, Marseilles
WOOD PRESERVATIVE—27 dms, 1 ton, 15 cwt, 2 qtrs, Cuprinol, Inc, Laconia, Liverpool

Boston Transit Imports

FERTILIZER, CHEMICAL—24 bgs, American Express Co, American Farmer, London, for Pittsburgh
SOAP, TOILET—23 cs, American Express Co, American Farmer, London, for Hartford, Conn

Galveston Imports

SODA CYANIDE—268 cs, Spaarndam, Rotterdam

Gloucester Imports

GLUESTOCK, FISH — 39,000 lbs, Russia Cement Co, Good Luck, Lockeport, N S
OIL, FISH—74 bbls, from Nova Scotia

Houston Imports

COCONUTS—50 bgs, American Press, Ponce
PETROLEUM, CRUDE—35,349 bbls, R W McElvain, Tuxpam

Los Angeles Imports

AGAR AGAR—1,320 lbs, Kamakura, Kobe
ANTIMONY ORE—85,000 lbs, from Mexico
BABASSU KERNELS—1,626 bgs, 215,080 lbs, West Cactus, Maranhao
8,467 bgs, 1,120,000 lbs, Evanger, Parahyba
CASTOR BEANS — 1,524 bgs, 191,510 lbs, Buenos Aires, Rio de Janeiro
CHEMICAL, SALT — 2,880 lbs, Kamakura, Yokohama
CHILLIES—5,100 lbs, Asakaze, Kobe
2,500 lbs, Meiu, Kobe
CINNAMON QUILLS — 200 bls, 20,000 lbs, President Coolidge, Colombo
CLOVES — 4,400 lbs, Modjokerto, Amboina, Dutch East Indies
COCONUT, DESIC—250 cs, 32,500 lbs, Besholt, Manila
150 cs, 23,840 lbs, Hokuroku, Manila
800 pkgs, 92,000 lbs, President Coolidge, Manila
COPRA, MEAL—10,000 bgs, 1,000,000 lbs, Asakaze, Manila
2,000 bgs, 200,000 lbs, Corneville, Cebu
11,000 bgs, 1,100,000 lbs, President Coolidge, Manila
DRUGS, CRUDE—190 lbs, Corneville, Hongkong
FISH LIVERS, FROZEN—1,000 tins, 40,000 lbs, Hokuroku, Yokohama
GINGER ROOT—1,000 lbs, President Coolidge, Hongkong
GINSENG ROOT—30 lbs, from Keijo
GLASS, WINDOW—880 lbs, Pacific Enterprise, Birmingham
29 pkgs, 5,240 lbs, San Pedro, Brussels
INK, INDIA—130 lbs, Hokuroku, Tokyo
WRITING—80 lbs, Corneville, Hongkong
KELP MEAL—600 bgs, 60,000 lbs, Kamakura, Tokyo
MACE—1,090 lbs, Modjokerto, Macassar
2,320 lbs, Modjokerto, Amboina, D E I
MEDICINAL PREPS—50 lbs, Kamakura, Kobe
MUSTARD SEED—200 bls, 20,000 lbs, President Coolidge, Tientsin
OIL, CHINAWOOD — 50 dms, 20,000 lbs, Marchen Maersk, Hongkong
HAIR—1 lb, President Harrison, Sumatra
NUT—180,000 lbs, President Coolidge, Hongkong
VEGETABLE—1,880 lbs, Weser, Guatemala City
PARAFFIN—1,180 pkgs, 165,200 lbs, Modjokerto, Balik Papan
PEANUT MEAL—3,500 bgs, 350,000 lbs, Meiu, Tsingtao
PEATMOSS—1,050 bls, 120,900 lbs, Annie Johnson, Myresjo, Sweden
PEPPER, WHITE—86 bgs, 11,710 lbs, Modjokerto, N E I
86 bgs, 11,700 lbs, Modjokerto, Batavia
PERFUMERY—4 lbs, Tai Shan, Hongkong
QUEBRACHO EXTRACT—440 bgs, 45,540 lbs, Evanger, Buenos Aires
400 bgs, 42,990 lbs, Buenos Aires, Buenos Aires
RAPESEED—50 bgs, 10,950 lbs, Khai, Roumania
RICE FLOUR—490 lbs, Kamakura, Kobe
500 lbs, Meiu, Yokohama
ROSIN—730 bxs, 77,120 lbs, Cuzco, Guadalajara
SOAP—100 cs, 4,940 lbs, Lochavon, Marseilles
POWDER—2,030 lbs, Asakaze, Osaka
SODA, NITRATE—2,680 bgs, 268,000 lbs, Cuzco, Tocopilla
STARCH, RICE—110 lbs, Kamakura, Kobe
TOILET PREPS—2,880 lbs, from London
TUCUM KERNELS—2,345 bgs, 336,000 lbs, Evanger, Parahyba
WATER MINERAL—2,020 lbs, from London
WAX, CARNAUBA—4,500 lbs, Buenos Aires, Fortaleza
MINERAL—1,480 lbs, Loch Avon, London
30 lbs, from London
ZINC OXIDE—200 bbls, 22,050 lbs, San Pedro, Antwerp

Mobile Imports

BAUXITE ORE—2,315 tons, Askeladden, Paramaribo
1,850 tons, Sea Glory, Paramaribo
2,950 tons, Svend Pil, Paramaribo

New Orleans Imports

BAUXITE ORE—2,550 tons, Aluminum Ore Co, Nordvangen, Paramaribo
305 tons, Aluminum Ore Co, Nordvangen, Port of Spain
2,271 tons, Aluminum Ore Co, Vestvangen, Paramaribo
CASSIA—75 bls, National City Bank, Cefalu, Cristobal
CREOSOTE—50 dms, American Creosote Works, Alioth, Antwerp
5,500 tons, Continental Co, Teddy, Salzaete
GUM CHICLE—713 bls, Port Antonio, Belize
MENTHOL—25 cs, Corn Exchange Bank & Trust Co, Port Antonio, Cristobal
OCHER—800 sx, Geo Wm Reuff, Recca, Marseilles
OIL, OLIVE—40 dms, 350 cs, Recca, Marseilles
POTASH SULPHATE—2,000 sx, First National Bank of Boston, Alioth, Antwerp
VANILLA BEANS—14 cs, Lusk Shipping Co, Tegucigalpa, Vera Cruz
WATER, MINERAL—8 cs, Alioth, Havre
ZINC OXIDE—150 bbls, Orbis Products Corp, Recca, Marseilles

Norfolk Imports

AMMONIA, SULPHATE — 4,000 metric tons, Chase National Bank of N Y, Leonidas Z Cambanis, Novorossisk, Russia
CHEMICALS—500 bgs, 23,100 lbs, Black Eagle, Rotterdam
1 dm, 53 lbs, Black Eagle, Rotterdam
COCOA RESIDUES—3,125 bgs, H J Baker & Bros, Bilderdijk, Rotterdam
1,250 bgs, Jos C Jett, Bilderdijk, Rotterdam
12,500 bgs, 998 tons, Monsanto Chemical Co, Black Gull, Rotterdam
GUM, COPAL—60 bgs, 1 ton, O G Innes Corp, Black Gull, Antwerp
INDUSTRIAL—65 cks, 16 tons, 1 cwt, 2 qtrs, J P Marston & Co, Boston, Quaker City, Liverpool
LEATHER WASTE—1,032 bgs, 23 tons, 19 cwt, 1 qtr, Smith Rowland Co, City of Flint, Hull
1,354 bgs, 31 tons, 15 cwt, Quaker City, Liverpool
OIL, CODLIVER—239 dms, 46 tons, Dichman, Wright & Pugh, Black Eagle, Antwerp
PALM—417 dms, City of Flint, Hamburg
75 dms, Cold Harbor, Liverpool
PEATMOSS—300 bls, Marine Midland Trust Co, N Y, Bilderdijk, Rotterdam
300 bls, Bilderdijk, Rotterdam
25 bls, City of Flint, Hamburg
300 bls, City of Flint, Hamburg
POTASH, KAINIT—635 tons, First National Bank of Boston, Jobshaven, Antwerp
MURIATE—675 tons, First National Bank of Boston, Jobshaven, Antwerp
SULPHATE—10,000 bgs, 995 tons, First National Bank of Boston, Jobshaven, Antwerp
STARCH, CHEMICALLY TREATED—50 bgs, Bilderdijk, Rotterdam
UREA—500 bgs, 23,004 lbs, Synthetic Nitrogen Products Corpn, N Y, Black Eagle, Rotterdam

Philadelphia Imports

BONES—769,000 kilos, Norderney, Santa Fe
341,400 kilos, Norderney, Buenos Aires
CADMIUM METAL—10 cs, Black Falcon, Antwerp
CANARY SEED—845 bgs, Norderney, Buenos Aires
CARAWAY SEED—50 bgs, Zaandam, Rotterdam
CHEMICALS—30 bbls, 60 dms, Zaandam, Rotterdam
20 csks, Brown Brothers Harriman & Co, Zaandam, Rotterdam
4 cs, Foote Mineral Co, Black Falcon, Antwerp
2,000 bgs, Industrial Sales Corp, Black Falcon, Antwerp
75 bbls, Innis, Speiden & Co, Black Falcon, Antwerp
29 csks, Davies Turner & Co, Black Falcon, Rotterdam
400 dms, F B Vandegrift & Co, Black Falcon, Rotterdam
CHINA CLAY—559 tons, 4 cwts, Paper Makers Importing Co, Gloucester City, Fowey
43 tons, 17 cwts, John W Higman Co, Gloucester City, Fowey
1,308 tons, 7 cwts, 320 csks, 532 bgs, English China Clay Sales Co, Skogheim, Fowey
992 tons, 18 cwts, Moore & Munger, Skogheim, Fowey
CLAY—130 tons, Gloucester City, Bristol
BALL—93 tons, Paper Makers Importing Co, Gloucester City, Fowey
196 tons, 5 cwts, English China Clay Sales Corp, Skogheim, Fowey
BLUE—125 tons, English China Clay Sales Corp, Gloucester City, Bristol
195 tons, Moore & Munger, Skogheim, Fowey
COCOA BEANS—472 bgs, W & A Leaman, Black Falcon, Rotterdam
RESIDUE—300 bgs, Woodward & Dickerson, Black Falcon, Rotterdam
COLORS—1 pkg, E I DuPont de Nemours & Co, Black Falcon, Antwerp
CORK, BITS—1,262 bls, Armstrong Cork Co, Teseo, Lisbon
VIRGIN—99 bls, Cork Insulation Co, Nyhaug, Lisbon
1,348 bls, Armstrong Cork Co, Teseo, Lisbon
WASTE—11,125 bls, Armstrong Cork Co, Teseo, Lisbon
21,505 bls, Cork Insulation Co, Nyhaug, Lisbon
15,128 bls, Armstrong Cork Co, Teseo, Lisbon
WOOD—300 bls, Armstrong Cork Co, Teseo, Lisbon
FERROMANGANESE — 152,400 lbs, Vigilant, Gdynia
FLINT PEBBLES—370 bgs, F L Smith & Co, Scanmail, Copenhagen
181 cs, Buchendorf Bros, Black Falcon, Antwerp
GLASS, WINDOW—36 cs, H Perlstein, Black Falcon, Antwerp
GUM, COPAL—61 bskts, Philadelphia National Bank, Kota Inten, Macassar
65 bskts, Guaranty Trust Co, Kota Inten, Macassar
COPAL SIFTINGS—100 bgs, American Cyanamid & Chemical Co, Black Falcon, Antwerp
GYPSUM, CRUDE—6,200 tons, U S Gypsum Co, Gypsum Empress, Windsor
HONEY—51 bxs, James Motley, Tela, Puerto Barrios
MAGNESITE, CAUSTIC CALC — 100 bbls, Zaandom, Rotterdam
MANIOC MEAL—500 bgs, Stein Hall & Co, Greystoke Castle, Sourabaya
MENTHOL—25 cs, Chemical Bank & Trust Co, Asakasan, Kobe
MOLASSES — 300,292 gls, North American Trading & Import Co, Marathon, Pastellilo
1,400,315 gls, North American Trading & Import Co, Marathon, Puerto Tarafa
334,538 gls, North American Trading & Import Co, Marathon, Havana
1,159,419 gls, North American Trading & Import Co, Diziano, Antilla
MUSTARD SEED—250 bgs, R T French Co, Black Falcon, Rotterdam
250 bgs, Zaandam, Rotterdam
NAPHTHALENE—1,250 bgs, John H Faunce, Black Falcon, Rotterdam
NUTMEGS—10 cs, Kote Inten, Macassar
OIL, CORN—227,919 kilos, Black Falcon, Rotterdam
LUBRICATING—70 dms, Black Falcon, Antwerp
TEASEED—50 dms, Leghorn Trading Co, Kiyokawa, Shanghai
50 dms, Philadelphia National Bank, Kiyokawa, Shanghai
OSSEIN—1,564 bgs, Black Falcon, Antwerp
PEATMOSS—1,875 bls, Zaandam, Rotterdam
3,215 bls, Marine Midland Trust Co, Zaandam, Rotterdam
PEPPER, BLACK—486 bgs, Lamborn Hutchins Co, Greystoke Castle, Oosthaven
WHITE—86 bgs, Kota Inten, Tandjong Priok
PETROLEUM, REFINED—50 dms, Robert F Cruickshank, Scanmail, Copenhagen
POPPYSEED—100 bgs, Baandam, Rotterdam
100 bgs, R T French Co, Black Falcon, Rotterdam
PYRITES ORE—7,400 tons, Pontypridd, Huelva
RICE FLOUR—200 bgs, Stein, Hall & Co, Zaandam, Rotterdam
SAGO FLOUR—367 bgs, Greystoke Castle, Rotterdam
SODA SILICOFLUORIDE—250 bgs, Zaandam, Rotterdam
STRONTIA—514 tons, 16 cwt, Gloucester City, Bristol
TANKAGE—423 cks, Norderney, Santa Fe
228 cks, 2 bgs, Norderney, Buenos Aires
TAPIOCA FLAKE DUST—134 bgs, National City Bank, Kota Inten, Sourabaya
FLOUR — 1,000 bgs, Philadelphia National Bank, Greystoke Castle, Cheribon
1,527 bgs, Stein, Hall & Co, Greystoke Castle, Cheribon
500 bgs, Greystoke Castle, Cheribon
75 bgs, Greystoke Castle, Batavia
2,206 bgs, Merchants National Bank, Greystoke Castle, Pasoerean
500 bgs, Guaranty Trust Co, Greystoke Castle, Pasoerean
510 bgs, New York Trust Co, Kota Inten, Tjilatjap
363 bgs, Kota Inten, Tjilatjap
4,276 bgs, National City Bank, Kota Inten, Sourabaya
TARTAR—30 bgs, Innis, Speiden & Co, Zaandam, Rotterdam
URANIUM NITRATE—10 cs, Harshaw Chemical Co, Black Falcon, Antwerp
WAX, VEGETABLE—100 cs, Mitsui & Co, Asakasan, Kobe

Portland, Ore., Imports

COCONUT, DESIC—40 cs, 150 sks, L W Pennington, Modjokerto, Manila
COPRA—430 tons, Durkee Famous Foods, Silverbeech, Cebu
450 tons, Durkee Famous Foods, Silverbeech, Dumaguete
MEAL—1,000 sks, Procter & Gamble Manufacturing Co, Modjokerto, Manila
GUM, COPAL—265 bkts, Modjokerto, Macassar
PARAFFIN—400 sks, Shell Oil Co, Modjokerto, Balikpapan
PEANUTS, SHELLED—300 sks, Mitsui & Co, Silverbeech, Manila
TAPIOCA FLOUR—101 sks, Modjokerto, Batavia
280 sks, Modjokerto, Cheribon

San Francisco Imports

ALCOHOL—30 dms, Maunawili, Honolulu
AMMONIA CARBONATE, POWD, SUBLIMED —5 dms, Modavia, Liverpool
BLEACHING POWDER — 50 dms, Modavia, Liverpool
200 dms, Modavia, Liverpool
BONE MEAL—800 sks, M W Park & Co, Meiu, Tsingtao
CALCIUM NITRATE—22,741 sks, Wilson & George Meyer & Co, Laurits Swenson, Heroen-Porsgrund
7,024 sks, Wilson & George Meyer & Co, Laurits Swenson, Heroen-Porsgrund
TARTRATE—363 bgs, Loch Avon, Rotterdam
CHEMICALS—40 dms, Nippon Trade Agency, Asakaze, Kobe
CHILLIES—50 sks, Meiu, Kobe
CLOVES—117 sks, B C Ireland, Modjerto, Amboina
COCOA BEANS—300 sks, Pacific Enterprise, Manchester
COPRA MEAL—1,000 sks, Silvermaple, Manila
DEGRAS—5 dms, L H Butcher & Co, Modavia, Liverpool
DENTIFRICE—4 cs, North American Mercantile Co, Asakaze, Yokohama
FULLER'S EARTH—100 sks, L A Salomon & Bro, Loch Avon, London (for Oakland)
GLASS, WINDOW—6 cs, Modavia, Liverpool
12 cs, Pacific Enterprise, Manchester
GUM, COPAL—674 bkts, Henry W Peabody & Co, Modjokerto, Macassar
DAMMAR—150 cs, Modjokerto, Batavia
145 sks, Henry W Peabody & Co, Modjokerto, Macassar
INK—5 cs, North American Mercantile Co, Asakaze, Yokohama
MOLASSES—577 tons, Makiki, Hilo
1,268,000 lbs, Makiki, Mahukona
1,000 tons, Maliko, Port Allen
800 tons, Lahaina, Ahukini
1,010 tons, Maunawili, Honolulu
NUTMEGS—80 cs, B C Island, Modjokerto, Macassar
OIL, CODLIVER—32 dms, Laurits Swenson, Oslo
CREOSOTE—13 dms, Baird & McGuire, Pacific Enterprise, Manchester
PALM, REFD—10 dms, Canadian Bank of Commerce, Modavia, Liverpool
RAPESEED, REFD—350 dms, Mitsui & Co, Asakaze, Nagoya
PARAFFIN—800 sks, Shell Oil Co, Modjokerto, Balikpapan (for Oakland)
PEANUT MEAL—3,000 sks, Balfour, Guthrie & Co, Meiu, Tsingtao
1,000 sks, Mitsui & Co, Meiu, Tsingtao
PEATMOSS—300 bls, Sevin-Vincent Seed Co, Loch Avon, Rotterdam
400 bls, Sevin-Vincent Seed Co, Loch Avon, Rotterdam (for Oakland)
890 bls, Wilson & George Meyer & Co, Laurits Swenson, Oslo
PEPPER, BLACK—450 sks, Modjokerto, Oosthaven
81 sks, Bank of California, N A, Modjokerto, Oosthaven
PYRETHRUM FLOWERS—100 bls, Standard Oil Co of California, Meiu, Otaru
30 bls, S L Jones & Co, Asakaze, Otaru
25 bls, Buach Producing & Manufacturing Co, Asakaze, Osaka
RAPESEED—312 sks, C M Volkman & Co, Meiu, Otaru
SAGO FLOUR—2 sks, H M Newhall & Co, Silvermaple, Singapore
SESAME SEED—1,000 sks, Mitsubishi Shoji Kaisha, Bokuyo, Nagoya
SHELLAC—121 sks, Bank of California, N A, Silvermaple, Calcutta
SOAP—400 cs, Loch Avon, Rotterdam
SADDLE—1 cs, American Express Co, Loch Avon, London
TALLOW—100 dms, Willits & Co, Kingsley, Vancouver
TAPIOCA SEED—298 sks, American Trust Co, Modjokerto, Sourabaya
TOILET PREPS—1 cs, North American Mercantile Co, Asakaze, Yokohama
WOODFLOUR—1,500 sks, B L Soberski, Laurits Swenson, Oslo (for Oakland)

Seattle Imports

CASSIA—44 bls, 17 pkgs, Modjokerto, Padang
COCONUT, DESIC—25 cs, J E Lowden, Modjokerto, Manila
HONEY—200 cs, Makiki, Honolulu
OCHER—20 bbls, L H Butcher Co, Leme, Marseilles
PAPRIKA, GROUND—30 sks, Leme, Genoa
PEANUTS, SHELLED—250 sks, Mitsui & Co, Silverbeech, Manila
PETROLEUM, REFD—25 dms, Capt B Quale, Portland, Hamburg
TAPIOCA FLOUR—100 sks, Modjokerto, Cheribon

Tacoma Imports

CHEMICALS—1,000 sks, Industrial Sales Corpn, Portland, Antwerp
COPRA MEAL—500 tons, Mitsui & Co, Silverbeech, Manila
IRON SAND—40 sks, Bailey Co, Modavia, Glasgow

Tampa Imports

COCONUTS—3,700, General Tosta, Belize 5,900, Motagua, Bonacca

Exports from U.S. Ports

New York Exports

Clearance Dates

Alegrete, April 21; Alex Van Opstal, April 10; American Banker, April 21; American Importer, April 22; American Trader, April 28; Andania, April 7; Antigua, April 22; Aquitania, April 29; Borinquen, April 27; Carolina Thorden, April 29; Chiriqui, April 15; Clan Macilwraith, April 22; Conte Savoia, April 28; Deutschland, April 27; Emile Francqui, April 20; Europa, April 25; Frontier, April 26; Gatun, April 28; General Gassouin, April 25; Hamakua, April 18; Havana, April 27; Ilsenstein, April 28; Kaimoku, April 27; Kanangoora, April 28; Kim, April 27; Leif, April 27; McKeesport, April 29; Mormactide, April 21; Noordam, April 28; Oriente, April 21; Orion, April 27; Panama, April 27; Pipestone County, April 15; Platano, April 28; Potter, April 22; President Roosevelt, April 26; Prince Arlene, April 28; Rex, April 21; Rowallan Castle, April 8; Samaria, April 21; Santa Barbara, April 27; Santa Lucia, April 21; Scanstates, April 21; Silverfir, April 27; Silveryew, April 24; Statendam, April 21; Swinburne, April 29; Terukawa, April 25; Steel Ranger, April 21; Transylvania, April 25; Troubadour, April 21; Veragua, April 26; Westernland, April 22; Yamaura, April 24

ACETIC ANHYDRIDE — 68,688 lbs, Emile Francqui, Antwerp
ACID, MURIATIC—3,700 lbs, Antigua, Porto Cortes; 7,200 lbs, Borinquen, San Juan
STEARIC—2,222 lbs, American Trader, London
SULPHURIC—10,140 lbs, Santa Barbara, Buenaventura; 2,489 lbs, Gatun, Kingston
TARTARIC—11,940 lbs, Veragua, Barranquilla
ALCOHOL ISOPROPYL—5,665 gls, Pipestone County, Havre
AMMONIA ANHYDROUS—11,360 lbs, Havana, Vera Cruz
AMYLENE DICHLORIDE—2,495 lbs, Pipestone County, Havre
ASPHALT—18,140 lbs, Troubador, Pelotas; 20,884 lbs, Rowallan Castle, Capetown; 28,268 lbs, Scanstates, Helsingfors; 12,071 lbs, Pipestone County, Havre; (Clan Macilwraith) 8,012 lbs, Capetown; 130,410 lbs, Port Elizabeth; 10,112 lbs, Mormactide, Rio Janeiro; 26,140 lbs, Steel Ranger, Bombay
LIQUID—(American Importer) 14,437 lbs, Manchester; 5,988 lbs, Liverpool; (Statendam) 65,279 lbs, Rotterdam; 25,350 lbs, Amsterdam; 29,078 lbs, American Trader, London
SOLID—51,038 lbs, Samaria, Liverpool
BENZIN—400 gls, Clan Macilwraith, Walvis Bay
BENZOL—3,685 gls, Troubador, Pelotas
BISMUTH METAL — 25,014 lbs, American Banker, London; 13,254 lbs, American Trader, London
BLUE ULTRAMARINE—2,260 lbs, Havana, Vera Cruz; 11,966 lbs, Chiriqui, Havana; 1,446 lbs, Platano, Puntarenas
VITRIOL—1,939 lbs, Antigua, Santiago
VITRIOL, MONOHYDRATED—75,950 lbs, Platano, Puntarenas
CALCIUM ARSENATE—(Santa Lucia) 11,200 lbs, Paita; 6,720 lbs, Buenaventura
CARBIDE—10,600 lbs, Antigua, Santiago
CHLORIDE—11,776 lbs, Transylvania, Glasgow; 2,100 lbs, Panama, Panama
PHOSPHATE—12,001 lbs, Alegrete, Rio de Janeiro; 12,004 lbs, Kanangoora, Malmo
CASCARA BARK—11,204 lbs, American Importer, Glasgow
CASEIN PASTE—1,150 lbs, Potter, Manila
CATTLE DIP—(Veragua) 5,986 lbs, Cartagena; 5,986 lbs, Barranquilla
CHALK, PRECIP—69,519 lbs, American Importer, Liverpool
CHEMICALS—3,143 lbs, Emile Francqui, Antwerp; 2,988 lbs, Kanangoora, Stockholm; 12,015 lbs, Pipestone County, Havre
CLAY—22,400 lbs, Carolina Thorden, Helsingfors
COALTAR—5,590 lbs, Antigua, Banes
INTERMEDIATES—4,180 lbs, Steel Ranger, Bombay
CORN FLOUR—994 lbs, Chiriqui, Havana; 71,000 lbs, Platano, Barranquilla
SUGAR—5,075 lbs, Noordam, Rotterdam
SYRUP—5,100 lbs, Kaimoku, Honolulu; (Hamakua) 7,085 lbs, Honolulu; 1,840 lbs, Hilo; 12,750 lbs, Kanangoora, Gothenburg-Stockholm; 6,315 lbs, Chiriqui, Havana; 168 lbs, Brosund, St Thomas; (Steel Ranger) 30,015 lbs, Karachi; 78,750 lbs, Bombay; 150,022 lbs, Madras; 18,750 lbs, Colombo
CYANIDE—84,000 lbs, Havana, Vera Cruz
CYCLOPROPANE—118 lbs, Veragua, Barranquilla; 32 lbs, McKeesport, Cork
DEXTRIN—2,820 lbs, Havana, Vera Cruz; 1,206 lbs, Rowallan Castle, Capetown; 202 lbs, Statendam, Rotterdam
DICHLORODIFLUOROMETHANE — 1,066 lbs, Scanstates, Helsingfors
DIETHYL SULPHATE—55,520 lbs, President Roosevelt, Havre
DISINFECTANT—10,880 lbs, Hamakua, Kahului
DYES—4,520 lbs, Santa Barbara, Talcahuano; 1,343 lbs, Rex, Genoa; 843 lbs, Alex Van Opstal, Antwerp; 7,231 lbs, Steel Ranger, Bombay
ANELIN—615 lbs, Westernland, Antwerp; 1,838 lbs, Scanstates, Gothenburg
DYEWOOD EXTRACT—1,832 lbs, Westernland, Antwerp
FERTILIZER—1,797,000 lbs, Kaimoku, Hawaiian Islands
FULLER'S EARTH—20,000 lbs, Noordam, Rotterdam
GASOLINE—1,000 gls, Leif, Sanchez; 10,000 gls, Alegrete, Rio Janeiro
AVIATION—165,000 gls, Potter, Haiphong
GLASS, PLATE—11,850 lbs, Chiriqui, Havana
GLUCOSE—(Rowallan Cstle) 2,047 lbs, Capetown; 5,382 lbs, Port Elizabeth; 33,050 lbs, American Importer, Manchester; 1,508 lbs, Panama, Port Prince
GLUE, DRY—25,573 lbs, Statendam, Amsterdam; 1,931 lbs, Chiriqui, Matanzas
GRAPE SUGAR—2,400 lbs, Statendam, Rotterdam
GRAPHITE—4,774 lbs, Europa, Bremen; 4,554 lbs, Chiriqui, Havana
POWDER—56,664 lbs, American Banker, London
GREASE, LUBRICATING—7,624 lbs, Santa Barbara, Callao; 81,304 lbs, Kim, (Leningrad; 31,640 lbs, Emile Francqui, Antwerp; 35,416 lbs, Westernland, Antwerp; (Rowallan Castle) 16,140 lbs, Capetown; 16,214 lbs, Port Elizabeth; 11,225 lbs, East London; 82,648 lbs, Durban; 8,962 lbs, Lourenco Marques; (American Importer) 124,220 lbs, Manchester; 7,991 lbs, Liverpool; (Scanstates) 11,835 lbs, Stockholm; 7,440 lbs, Helsingfors; (Potter) 2,281 lbs, Shanghai; 58,236 lbs, Haiphong; (Noordam) 8,043 lbs, Rotterdam; 1,787 lbs, Amsterdam; 2,431 lbs, Ilsenstein, Rotterdam; (President Roosevelt) 12,712 lbs, Southampton; 34,560 lbs, Havre; 23,468 lbs, Pipestone County, Havre; 4,071 lbs, Chiriqui, Havana; 5,200 lbs, Veragua, Barranquilla; 2,240 lbs, Antigua, Porto Barrios; 2,229 lbs, Brosund, Basse Terre; 88,699 lbs, McKeesport, Manchester; 1,762 lbs, Steel Ranger, Bombay-Calcutta; (Carolina Thorden) 46,551 lbs, Gothenburg; 2,631 lbs, Stockholm; 71,891 lbs, American Trader, London
INDIGO PASTE—5,678 lbs, Alex Van Opstal, Antwerp
INSECTICIDE—45,200 lbs, Santa Lucia, Buenaventura; (Rowallan Castle) 13,500 lbs, Port Elizabeth; 9,029 lbs, Durban; 52,500 lbs, Lourenco Marques; (Clan Macilwraith) 10,200 lbs, Walvis Bay; 1,800 lbs, Luderitzbucht; 4,800 lbs, Mossel Bay
HOUSEHOLD—(Silveryew) 24,189 lbs, Shanghai; 7,140 lbs, Hongkong; 58,322 lbs, American Trader, London
IODINE, CRUDE—1,634 lbs, American Trader, London
KEROSENE—4,945 lbs, Potter, Haiphong
LACQUER—8,633 lbs, Mormactide, Rio Janeiro; (Carolina Thorden) 2,696 lbs, Gothenburg; 6,263 lbs, Helsingfors
COLORED—2,594 lbs, Carolina Thorden, Helsingfors
THINNER—1,815 gls, Rowallen Castle, Capetown
LARD—(Orion) 15,400 lbs, Antilla; 23,100 lbs, Caibarien; 11,527 lbs, Emile Francqui, Antwerp; 6,300 lbs, Westernland, Antwerp; 11,468 lbs, Rex, Genoa; 31,750 lbs, American Importer, Manchester; 68,930 lbs, Deutschland, Czechoslovakia; 133,650 lbs, American Banker, London; 10,730 lbs, Ilsenstein, Antwerp; 12,349 lbs, President Roosevelt, Hamburg; 91,050 lbs, Chiriqui, Havana; 9,814 lbs, Panama, Panama; 35,572 lbs, McKeesport, Cork; 21,931 lbs, American Trader, London; 43,408 lbs, Alex Van Opstal, Antwerp; 25,400 lbs, Samaria, Liverpool
LEAD, WHITE—11,856 lbs, Mormactide, Rio Janeiro
LINSEED CAKE—6,985,269 lbs, Emile Francqui, Antwerp; 225,750 lbs, President Roosevelt, Havre; 2,136,381 lbs, Alex Van Opstal, Antwerp
MEAL—112,000 lbs, American Importer, Belfast
MINERAL SPTS—10,000 gls, Alegrete, Rio Janeiro
MOLASSES—305,389 gls, Frontier, Toronto
MONOETHANOLAMINE—2,571 lbs, American Banker, London
NAPHTHA—27,500 gls, Clan Macilwraith, Walvis Bay
OIL, CASTOR—1,016 lbs, Kanangoora, Malmo; 510 lbs, Antigua, Porto Barrios
CORN—2,175 lbs, Kaimoku, Honolulu; 2,700 lbs, Clan Macilwraith, Capetown; 810 lbs, Brosund, St Thomas
EDIBLE—1,095 lbs, Platano, Puntarenas
ESSENTIAL—921 lbs, Deutschland, Hamburg
LUBRICATING — 1,395 tons, General Gassouin, Antwerp; (Santa Barbara) 1,230 gls, Buenaventura; 2,850 gls, Callao; 10,450 gls, Valparaiso; 11,935 gls, Havana, Vera Cruz; 1,925 gls, Yamaura, Montevideo; (Santa Lucia) 5,500 gls, Buenaventura; 1,870 gls, Callao; 6,255 gls, Antofagasta; 22,350 gls, Valparaiso; (Troubadour) 1,320 gls, Rio de Janeiro; 4,790 gls, Porto Alegre; 3,795 gls, Asuncion; (Westernland) 546 gls, Basel; 2,115 gls, Antwerp; (Rowallan Castle) 275 gls, Capetown; 500 gls, Port Elizabeth; 1,650 gls, Durban; 2,545 gls, Lourenco Marques; 1,375 gls, Alegrete, Rio de Janeiro; (Rex) 8,400 gls, Naples; 42,780 gls, Genoa; (American Importer) 20,580 gls, Manchester; 6,600 gls, Liverpool; (Scanstates) 5,095 gls, Gothenburg; 1,910 gls, Stockholm; (Clan Macilwraith) 1,200 gls, Walvis Bay; 200 gls, Luderitzbucht; 495 gls, Mossel Bay; 750 gls, Port Elizabeth; 1,050 gls, East London; 36,600 gls, Durban; 275 gls, Beira; 7,405 gls, Lourenco Marques; (Kanangoora) 12,320 gls, Gothenburg; 2,915 gls, Malmo; 14,720 gls, Stockholm; 275 gls, Helsinki; 2,695 gls, Halmstad; 83,857 gls, Deutschland, Hamburg; (Conte di Savoia) 28,600 gls, Genoa; 16,445 gls, Naples; 46,415 gls, American Banker, London; 5,850 gls, Transylvania, Glasgow; (Statendam) 790 gls, Rotterdam; 11,340 gls, Amsterdam; 114,840 gls, Potter, Haiphong; (Mormactide) 4,704 gls, Rio de Janeiro; 20,039 gls, Buenos Aires; (Noordam) 23,180 gls, Rotterdam; 3,575 gls, Amsterdam; (Ilsenstein) 42,396 gls, Rotterdam; 5,515 gls, Antwerp; 960 gls, Silverfir, Alexandria; 22,974 gls, President Roosevelt, Havre; 5,880 gls, Pipestone County, Havre; 2,600 gls, Chiriqui, Havana; 3,300 gls, Veragua, Barranquilla; (Steel Ranger) 550 gls, Calcutta; 1,155 gls, Bombay-Calcutta; (Carolina Thorden) 7,755 gls, Stockholm; 1,100 gls, Helsingfors; 12,490 gls, American Trader, London; 18,225 gls, Alex Van Opstal, Antwerp; (Andania) 3,300 gls, Chittagong; 16,605 gls, Liverpool; 1,485 gls, Gatun, Kingston; 5,500 gls, Antigua, Porto Barrios; 1,540 gls, Brosund, Basse Terre; 5,740 gls, Oriente, Havana; 17,652 gls, McKeesport, Manchester; 5,920 gls, Samaria, Liverpool; 2,145 gls, Swinburne, Iquitos
OLEO—23,553 lbs, American Importer, Liverpool; 23,599 lbs, Scanstates; Stockholm, 51,250 lbs, Statendam, Rotterdam; 26,128 lbs, Noordam, Rotterdam; 46,759 lbs, McKeesport, Dublin
PALE—1,250 tons, General Gassouin, Antwerp
PEPPERMINT—840 lbs, American Banker, London; 2,440 lbs, Noordam, Amsterdam
PINE—4,886 lbs, Rowallan Castle, Lourenco Marques
ROSIN—7,205 lbs, Conte Savoia, Naples
SULPHONATED — 2,064 lbs, McKeesport, Manchester
VALVE—2,970 gls, Havana, Vera Cruz
PAINT—2,819 lbs, McKeesport, Cork; 3,756 lbs, Carolina Thorden, Stockholm; 3,359 lbs, American Trader, London
PASTE—6,044 lbs, Carolina Thorden Helsingfors
THINNER—550 gls, Scanstates, Gothenburg
PARAFFIN — (Santa Barbara) 45,220 lbs, Guayaquil; 32,885 lbs, Buenaventura; 52,672 lbs, Havana, Vera Cruz; (Santa Lucia) 73,645 lbs, Coquimbo; 115,660 lbs, Buenaventura; 162,118 lbs, Valparaiso; 9,047 lbs, Rowallan Castle, Durban; 23,520 lbs, Rex, Genoa; 4,449 lbs, Scanstates, Stockholm; 40,880 lbs, Clan Macilwraith, Capetown; (Kanangoora) 55,611 lbs, Gothenburg; 55,611 lbs, Oslo; 90,311 lbs, Deutschland, Hamburg; 3,336 lbs, Conte Savoia, Naples; 34,030 lbs, American Banker, London; (Ilsenstein) 22,244 lbs, Rotterdam; 2,224 lbs, Antwerp; 65,601 lbs, Chiriqui, Havana; (Platano) 44,484 lbs, Valparaiso; 11,100 lbs, Chimbote; 6,300 lbs, Gatun, Santiago; (Antigua) 20,201 lbs, Antigua; 22,908 lbs, Puerto Barrios; 16,684 lbs, Panama, Acajutla; (Carolina Thorden) 79,272 lbs, Gothenburg; 326,678 lbs, Stockholm
REFINED—6,673 lbs, Rex, Genoa
SCALE — 6,086 lbs, Ilsenstein, Rotterdam; 48,661 lbs, McKeesport, Manchester
PARAHYDROXYDIPHENYL — 22,339 lbs, American Importer, Liverpool
PETROLATUM MEDICINALS — 1,804 lbs, Rowallan Castle, Lourenco Marques
PETROLEUM, REFINED—10,000 gls, Leif, Sanchez; 10,514 gls, Alegrete, Rio de Janeiro; (Clan Macilwraith) 30,350 gls, Walvis Bay; 17,000 gls, Luderitzbucht; 30,000 gls, Gatun, Kingston; 15,000 gls, Borinquen, Ciudad
POTASH BROMATE—5,280 lbs, Statendam, Rotterdam
RESIN—36,314 lbs, American Trader, London; 4,620 lbs, American Banker, London
ROOTS—896 lbs, Transylvania, Glasgow
ROSIN—5,190 lbs, Ternkawa, Yokohama; 7,236 lbs, American Trader, London; 24,055 lbs, Mormactide, Montevideo
SALT—15,250 lbs, Antigua, Santiago
SOAP—24,000 lbs, Troubador, Santos; 31,186 lbs, Silveryew, Manila
TOILET—5,500 lbs, American Trader, London
SODA ASH—52,812 lbs, Hamakua, Honolulu; 3,362 lbs, Silverfir, Alexandria; 55,030 lbs, American Trader, London; 3,120 lbs, Andania, Liverpool; 4,566 lbs, Oriente, Havana; (McKeesport) 4,620 lbs, Manchester; 26,560 lbs, Liverpool; 21,292 lbs, Glasgow; 4,879 lbs, Swinburne, Manaos
BENZOATE—1,562 lbs, Alegrete, Rio Janeiro
BICARBONATE—22,612 lbs, Santa Barbara, Buenaventura; 684,220 lbs, Havana, Vera Cruz; 40,515 lbs, Clan Macilwraith, Capetown; 20,200 lbs, Veragua, Barranquilla; 12,660 lbs, Antigua, Porto Barrios; 6,100 lbs, Panama, Port Prince
BROMIDE—93,456 lbs, Kim, Lenningrad
CARBONATE—27,135 lbs, Veragua, Cartagena
CAUSTIC—(Santa Barbara) 14,110 lbs, La Libertad; 105,114 lbs, Buenaventura; 10,204 lbs, Callao; 490,202 lbs, Havana, Vera Cruz; 17,936 lbs, Leif, Porto Plata; 150,080 lbs, Troubador, Porto Alegre; 425,114 lbs, Hamakua, Honolulu; 10,680 lbs, Chiriqui, Matanzas; 56,643 lbs, Veragua, Barranquilla; 2,340 lbs, Antigua, Santiago; 14,115 lbs, Oriente, Havana; 22,895 lbs, Swinburne, Manaos
HYPOSULPHITE—5,710 lbs, Chiriqui, Havana
PHOSPHATE, TRI—11,390 lbs, American Importer, Manchester; 11,424 lbs, American Trader, London
PRUSSIATE YELLOW—63,629 lbs, American Importer, Manchester
PYROPHOSPHATE—2,465 lbs, Emile Francqui, Antwerp
SILICATE—12,209 lbs, Panama, Panama; 8,050 lbs, Antigua, Porto Barrios
SULPHIDE—22,165 lbs, Orion, Caibarien
STARCH—2,820 lbs, Havana, Vera Cruz; 4,914 lbs, American Importer, Manchester; 3,876 lbs, Statendam, Rotterdam
CORN—36,725 lbs, Scanstates, Gothenburg; 14,605 lbs, Kaimoku, Honolulu; 902 lbs, Clan Macilwraith, Lourenco Marques; 11,280 lbs, Kanangoora, Ulealborg; 12,700 lbs, American Banker, London; (Chiriqui) 3,000 lbs, Guantanamo; 7,000 lbs, Havana; 7,050 lbs, American Trader, London; (Steel Ranger) 22,560 lbs, Karachi; 26,850 lbs, Calcutta; 11,280 lbs, Rangoon; 2,000 lbs, Antigua, Santiago; 403 lbs, Brosund, St Thomas; 56,400 lbs, McKeesport, Manchester
SULPHANILAMIDE — 538 lbs, Kanangoora, Helsinki
SULPHUR—113,016 lbs, Prince Arlene, Kingsport
TALC—22,440 lbs, Scanstates, Gothenburg; 44,800 lbs, American Importer, London; 28,000 lbs, Transylvania, Glasgow
TALLOW—22,932 lbs, Conte Savoia, Naples
TANNING EXTRACT—11,410 lbs, Rowallan Castle, Port Elizabeth
TRICRESYL PHOSPHATE—1,154 lbs, Scanstates, Helsingfors
TURPENTINE—2,500 gls, Yamaura, Buenos Aires; 2,500 gls, Troubadour, Pelotas; 100 gls, Rowallan Castle, Durban; 1,000 gls, Alegrete, Rio de Janeiro; 2,500 gls, Mormactide, Buenos Aires
UREA—1,010 lbs, American Trader, London

Baltimore Exports

Clearance Dates

Bilderdijk, May 1; Black Eagle, April 29; Carolina Thorden, May 3; Coppename, April 28; Ragnhildsholm, April 28; San Vincente, April 29; Schodack, April 26; Terukawa, May 1; West Isleta, April 25

ACID, CHROMIC — 2,200 lbs, Black Eagle, Antwerp
ASPHALT, SOLID—5 tons, Bilderdijk, Rotterdam
BLUE VITRIOL — (Coppename) 1,000,000 lbs, Tela; 300,000 lbs, Porto Barrios
CADMIUM LITHOPONE—112 lbs, West Isleta, Durban; 112 lbs, Schodack, Havre; 500 lbs, Ragnhildsholm, Stockholm; 224 lbs, Black Eagle, Amsterdam
CLEANER—2,507 lbs, Ragnhildsholm, Stockholm
COLOR, DRY—198 lbs, Ragnhildsholm, Stockholm; 25 lbs, Black Eagle, Brussels
COPRA CAKE—(Schodack) 100 tons, Havre-Dunkirk; 50 tons, Dunkirk
ETHYL CHLORCARBONATE—328 lbs, Bilderdijk, Amsterdam
GREASE, LUBRIC—(San Vincente) 1,498 lbs, Honduras; 4,084 lbs, Panama; 6,250 lbs, Black Eagle, Antwerp; 14,993 lbs, Bilderdijk, Rotterdam
INSECTICIDE—212 lbs, West Isleta, Johannesburg; 983 lbs, San Vincente, Cristobal
OIL, CYLINDER—78 bbls, Carolina Thorden, Stockholm
ESSENTIAL—160 lbs, Black Eagle, Brussels
LUBRICATING—10,513 gls, Bilderdijk, Amsterdam
PAINT—100 gls, Black Eagle, Brussels
ASPHALT—560 lbs, Carolina Thorden, Helsinki
PARAFFIN—48,560 lbs, Black Eagle, Rotterdam
POLISH—(West Isleta) 3,500 lbs, Durban; 400 lbs, Johannesburg; 2,500 gls, Schodack, Havre
PORCELAIN ENAMEL FRIT — 6,000 lbs, Black Eagle, Brussels
POTASH BICHROMATE—12,631 lbs, Bilderdijk, Rotterdam
SODA BICHROMATE—(Black Eagle) 11,424 lbs, India; 57,320 lbs, Rotterdam; 44,092 lbs, Bilderdijk, Rotterdam
NITRATE—130 tons, Terukawa, Osaka
TIN OXIDE—100 lbs, Black Eagle, Brussels

Beaumont Exports

Clearance Dates

Albert L. Ellsworth, May 2; American Press, April 29; Brunswick, April 28; Derrymore, April 22; Fenris, April 26; Mactra, April 29; Nicolaou Maria, May 1

GREASE, LUBRIC—(American Press) 10 cs, 6 dms, Colon, via Cristobal; 25 dms, Talara, via Cristobal
KEROSENE—(American Press) 30 bbls, 1,000 cs, Colon; 13 dms, Talara
OIL, GAS—44,665 bbls, Mactra, Rotterdam
LUBRICATING—(American Press) 8 dms, 11 cs, Colon; 45 dms, Baranquilla
PETROLEUM, CRUDE—106,607 bbls, Fenris, Montreal; 102,773 bbls, Brunswick, Havre; 42,897 bbls, Nicolaou Maria, Manchester; 95,000 bbls, Albert L Ellsworth, Montreal
ROSIN, WOOD—125 dms, Derrymore, Shanghai
SOLVENT, CLEANING — 10 cs, American Press, Colon

Boston Exports

Clearance Dates

American Shipper, May 2; Black Hawk, May 3; Evangeline, April 29; May 3; Mathura, April 29; Naruto Maru, April 30; Newfoundland, May 5; Sanyo, May 3; Scythia, April 29; Vulcania, May 7

ACID, CITRIC—1 kg, 100 lbs, Evangeline, St John's, N F
ALUMINA, OXIDE—2 bxs, 3,665 bgs, 103 kgs, 398,355 lbs, Mathura, London
ALUMINUM, POWDER—1 bx, 10 lbs, Vulcania, Palestine
ASBESTOS FIBER—(Naruto Maru) 1,080 bgs, Osaka; 2,134 bgs, Yokohama
BAKING POWDER—15 bxs, 26 pails, 2 crts, 1,730 lbs, Newfoundland, St John's, N F
CAMPHOR—14 cs, 1,500 lbs, Evangeline, Yarmouth
CEMENT, CAN—44 drms, 220 gls, Scythia, Bombay
CANVAS—3 crtns, 132 lbs, Evangeline, Halifax, N S
CLAY—319 bbls, 40 tons, Mathura, London
DISINFECTANT—1 bbl, 2 cs, Newfoundland, St John's, N F
DRESSING, LEATHER—1 cs, 36 lbs, Mathura, Littlesborough; 10 bbls, 6 bxs, 4,508 lbs, Scythia, Leicester; (Black Hawk) 4 bxs, 3 cans, 305 lbs, Wiltz; 1 can, 35 lbs, Oisterwijk; 3 kgs, 30 gls, Newfoundland, St John's, N F
SHOE—(Scythia) 1 cs, 9 lbs, Leicester; 7 crtns, 4 kgs, 448 lbs, Scythia, Port Elizabeth
FELDSPAR — 12 bbls, 4,290 lbs, American Shipper, Manchester
FLUX—50 bbls, 6,750 lbs, Mathura, London
GLUE—8 crtns, 89 lbs, Evangeline, Halifax
GREASE, LUBRIC—14 cs, 504 lbs, Newfoundland, St John's, N F
INK, WRITING—4 pkgs, Newfoundland, St John's, N F
KEROSENE—50 bbls, 2,750 gls, Newfoundland, St John's, N F
LARD—250 bxs, 14,000 lbs, Scythia, Liverpool; 2,350 bxs, 131,600 lbs, Newfoundland, Liverpool
LINING COMP—6 drms, 318 gls, Mathura, London; 67 drms, 815 gls, Sanyo, Hamburg
LUBRICANT, DRAWING — 18 drms, 90 gls, Mathura, London
MEDICINAL PREPS—349 bxs, 1,745 gls, Mathura, London; 1 cs, Newfoundland, St John's, N F
OIL, LUBRIC—(Mathura) 2 bbls, 1,020 lbs, Wellingborough; 1 cs, 15 gls, London; (Scythia) 5 cs, 75 gls, Liverpool; 10 bbls, 2 drms, 1 pail, 728 gls, Madras; (Evangeline) 3 drms, 150 gls, Yarmouth; 6 drms, 16 cs, St John, N B
PAINT, MARINE—1 cs, 165 lbs, Evangeline, St John, N B
OIL — 2 drms, 113 gls, Newfoundland, St John's, N F
SUBMARINE—5 drms, 274 gls, Newfoundland, St John's, N F
PASTE, ADHES—4 drms, 188 lbs, Mathura, London; 1 pkg, 32 lbs, Newfoundland, St John's, N F
PINETAR — 10 drms, 5,000 lbs, Evangeline, Halifax
POLISH—25 cs, 2,125 lbs, Scythia, Leicester
RESIN, SYNTH—1 cs, 1 crtn, 516 lbs, Mathura, London
ROSIN—1 drm, 400 lbs, Vulcania, Palestine
SLATE, CRSHD—334 bgs, 50,000 lbs, American Shipper, Manchester
SOAP, MEDICATED—1 cs, 59 lbs, Newfoundland, St John's, N F
SOFT — 1 drm, 486 lbs, Newfoundland, St John's, N F
SODA BENZOATE—1 bbl, 225 lbs, Evangeline, Halifax
SULPHUR, GRD — 1,200 bgs, 120,000 lbs, Evangeline, Aylesford, N S
TALC—1 cs, 30 lbs, Newfoundland, St John's, N F
VARNISH—3 cs, 26 gls, Newfoundland, St John's, N F

Corpus Christi Exports

Clearance Dates

Adria, April 27; Barbro, April 2; Duffield, April 14; Fagerfjell, April 21; Inverlee, April 13; President Fancqui, April 14; Tuscania, April 22

OIL, FUEL—16,776 bbls, Barbro, Copenhagen; 68,031 bbls, Tuscania, Italian ports
GAS—32,966 bbls, Barbro, Copenhagen; 22,964 bbls, Duffield, Flushing; 55,437 bbls, President Francqui, Ghent
PETROLEUM, CRUDE—18,300 bbls, Barbro, Copenhagen; 103,322 bbls, Inverlee, Havre; 61,993 bbls, Duffield, Flushing; 99,932 bbls, Fagerfjell, Montreal; 41,150 bbls, Adria, Hamburg

Galveston Exports

Clearance Dates

American Press, April 27; Koll, May 1; Lagaholm, May 1; Meanticut, April 26; Spaarndam, April 29; Storstad, April 28; William Strachan, April 27; Tiger, April 27

BISMUTH METAL—27 tons, Meanticut, Havre
BLACK, CARBON—28 tons, Meanticut, Havre; 139 tons, Spaarndam, London
MOLYBDENITE—66 tons, Spaarndam, London
OIL, GAS—5,000 tons, Tiger, London
PETROLEUM, CRUDE — 73,000 bbls, Wm Strachan, Havana; 90,000 bbls, Storstad, Havre; 107,000 bbls, Koll, Havre
SULPHUR—5 tons, American Press, Cartagena; (Spaarndam) 110 tons, London; 15 tons, Antwerp; (Lagaholm) 10 tons, Copenhagen; 10 tons, Gdynia

Houston Exports

Clearance Dates

Alabama, April 28; Alar, April 29; American Press, April 26; Elsa, May 1; Lagaholm, April 29; Oiltrader, April 29; Strinda, April 26; Utilitas, April 27

BLACK, CARBON—(Lagaholm) 123 cs, Oslo; 3,404 bgs, 125 cs, Gothenburg; 617 bgs, 80 cs, Gdynia
GASOLINE—6,600 tons, Elsa, Halvorshavn
KEROSENE—400 tons, Elsa, Halvorshavn
LUBRICANTS—250 tons, American Press, Cristobal
OIL, FUEL—45,000 bbls, Utilitas, Savona; 22,000 bbls, Alabama, San Juan; 3,800 tons, Oiltrader, River Medway-River Thames
GAS—(Oiltrader) 2,750 tons, Sunderland; 2,250 tons, River Medway-River Thames; 450 tons, Lagaholm, Malmo
TRACTOR—400 tons, Elsa, Halvorshavn
PETROLEUM, CRUDE—116,000 bbls, Strinda, Montreal; 110,000 bbls, Alar, Montreal

Lake Charles Exports

Clearance Dates

American Press, April 30; Genoano, April 27; Malvina, April 27

PETROLEUM, CRUDE—68,134 bbls, Genoano, Venice; 91,268 bbls, Malvina, Montreal
ROSIN—(American Press) 30 dms, Puerto Colombia; 10 dms, Cristobal; 10 dms, Callao; 458 dms, Valparaiso; 15 dms, Buenaventura

Los Angeles Exports

Clearance Dates

Abraham Lincoln, April 19; Athelmonarch, April 25; Belinda, April 26; Berganger, April 22; Bokuyo, April 25; Buenos Aires, April 26; City of Newport News, April 24; Coloradan, April 20; Coya, April 21; Delftdijk, April 22; Emidio, April 29; Este, April 20; Forbes Hauptman, April 21; Genyo, April 30; Kamakura, April 24; Kurosio, April 27; La Placentia, April 21; Lochavon, April 24; Lossiebank, April 25; Mariposa, April 26; Modjokerto, April 24; Mojave, April 30; Mostun, April 22; Pacific Enterprise, April 26; Roxen, April 26; Santa Maria, April 24; Silvermaple, April 28; Vilja, April 21; Wyoming, April 20

ACETONE—202 dms, 72,320 lbs, Delftdijk, Amsterdam; 25 dms, 8,750 lbs, Modjokerto, Port Elizabeth; 125 dms, 44,750 lbs, Roxen, Melbourne
ACID, BORIC—(Delftdijk) 1,700 bgs, 190,400 lbs, Glasgow; 800 bgs, 89,600 lbs, Rotterdam; 600 bgs, 67,200 lbs, Berganger, Havre; 500 bgs, 110,250 lbs, Este, Hamburg; 650 pkgs, 78,400 lbs, Abraham Lincoln, London; (Roxen) 65 pkgs, 7,280 lbs, Brisbane; 140 bgs, 15,680 lbs, Adelaide; (Mariposa) 40 bgs, 4,480 lbs, Melbourne; 383 bgs, 42,900 lbs, Sydney
CRESYLIC—3 dms, 1,310 lbs, Roxen, Sydney
SULPHURIC—160 lbs, Coya, Amapala
ALCOHOL, BUTYL—30 dms, 11,070 lbs, Delftdijk, Amsterdam
ASPHALT, LIQ—1,340 lbs, Coya, Amapala
SOLID—109 dms, 44,800 lbs, Mariposa, Sydney
BARYTES, GROUND — 250 bgs, 25,000 lbs, Coya, Talara
BORATE—(Wyoming) 1,280 bgs, 224,100 lbs, Dunkirk; 6,990 bgs, 1,121,980 lbs, Rotterdam; 5,631 bgs, 1,042,330 lbs, Este, Hamburg; (Abraham Lincoln) 11,379 bgs, 1,775,730 lbs, London; 4,005 bgs, 623,190 lbs, Liverpool
BORAX — (Delftdijk) 6,320 bgs, 761,600 lbs, Liverpool; 3,600 bgs, 436,800 lbs, Glasgow; 640 bgs, 89,600 lbs, Rotterdam; 80 bgs, 8,820 lbs, Coya, Valparaiso; 900 sks, 90,000 lbs, Modjokerto, Lourenco Marques; 296 bgs, 33,060 lbs, Berganger, Antwerp; 80 bgs, 11,200 lbs, Abraham Lincoln, London; (Roxen) 140 bgs, 15,680 lbs, Brisbane; 124 pkgs, 13,890 lbs, Adelaide; (Mariposa) 590 bgs, 66,080 lbs, Melbourne; 416 pkgs, 46,690 lbs, Sydney
BUTYL ACETATE—28 dms, 11,030 lbs, Delftdijk, Amsterdam
CLAY—400 sks, 40,000 lbs, Delftdijk, Beirut
ACTIVATED—(Wyoming) 400 sks, 22,400 lbs, Barranquilla; 6,000 sks, 300,000 lbs, Havre
FILTER—2,000 sks, 101,000 lbs, Abraham Lincoln, Oslo
GROUND—200 bgs, 20,160 lbs, Coya, Talara; 600 bgs, 60,480 lbs, Lochavon, Vancouver
WHITE—100 bgs, 11,200 lbs, City of Newport News, Cartagena
CLEANER—120 lbs, Mojave, Ketchikan
COCOA BUTTER—600 lbs, Kamakura, Kobe
DIATOMACEOUS EARTH—(Delftdijk) 224 bgs, 22,400 lbs, London; 598 bgs, 55,910 lbs, Liverpool; 218 bgs, 22,130 lbs, Rotterdam; (Berganger) 590 bgs, 57,800 lbs, Havre; 220 bgs, 22,000 lbs, Amsterdam; 1,225 pkgs, 121,010 lbs, Wyoming, Antwerp; (Abraham Lincoln) 1,451 bgs, 145,100 lbs, Oslo; 122 bgs, 12,200 lbs, Bergen; 1,076 bgs, 110,290 lbs, Canadian Reefer, Casablanca; 672 bgs, 67,200 lbs, Roxen Adelaide; (Mariposa) 336 bgs, 34,050 lbs, Sydney; 10 bgs, 1,030 lbs, Suva
ETHYL KETONE—30 dms, 10,980 lbs, Delftdijk, Amsterdam; 10 dms, 3,570 lbs, Modjokerto, Durban; 184 dms, 67,340 lbs, Roxen, Sydney
FILM SCRAP—5,180 lbs, Berganger, Havre
GASOLINE—94,359 bbls, 24,627,700 lbs, Belinda, Auckland - Wellington - Lyttelton-Dunedin; 11,544 bbls, 3,012,980 lbs, Kurosio, Kure; 3,000 bbls, 40 dms, 795,700 lbs, Mojave, Ketchikan
AVIATION—10 dms, 3,130 lbs, Mojave, Ketchikan
GREASE, LUBRIC—1,450 lbs, Mojave, Ketchikan
GUM, CHICLE—234 bbls, 63,510 lbs, Mariposa, Sydney
KEROSENE—5,662 bbls, 1,613,670 lbs, Belinda, Auckland - Wellington - Lyttelton-Dunedin; 50 dms, 17,670 lbs, Mojave, Ketchikan
DISTILLATE—3,711 bbls, 1,057,640 lbs, Lossiebank, Hongkong
LACQUER—330 lbs, Coya, Quito; 1,210 lbs, Wyoming, Santiago; 3,040 lbs, Forbes Hauptman, San Juan
THINNER—2,130 lbs, Wyoming, Santiago
LINSEED MEAL—500 sx, 49,950 lbs, Coloradan, Ponce
METHYL ETHYL KETONE—61 dms, 22,320 lbs, Wyoming, Antwerp
NAPHTHA—20 dms, 6,550 lbs, La Placentia, Vancouver
OIL, DIESEL—85,727 bbls, 26,746,820 lbs, Santa Maria, Cristobal; 11,819 bbls, 3,687,530 lbs, Mojave, Ketchikan
FUEL—57,383 bbls, 19,260,050 lbs, Vilja, Shanghai; 25,337 bbls, 8,437,220 lbs, La Placentia, Vancouver; 54,613 bbls, 18,186,130 lbs, Genyo, Niigata; 3,185 bbls, 1,060,610 lbs, Mojave, Ketchikan; 25,000 bbls, 8,325,000 lbs, Emidio, Cordova
FURNACE—1,128 bbls, 351,940 lbs, Mojave, Ketchikan
OIL, LEMON—350 lbs, Mariposa, Sydney
LUBRICATING—180 dms, 69,840 lbs, Belinda, Auckland - Wellington-Lyttelton-Dunedin; 50 dms, 24,440 lbs, Vilja, Shanghai; 153 dms, 1 bx, 42,780 lbs, Mariposa, Sydney; 107 dms, 73 cs, 2 ctns, 15 pls, 57,330 lbs, Mojave, Ketchikan
MINERAL—5 dms, 1,710 lbs, La Placentia, Vancouver
VEGETABLE—2,000 bgs, 200,000 lbs, Silvermaple, Manila
PAINT—(Coya) 1,120 lbs, San Jose; 850 lbs, Amapala; 870 lbs, Mojave, Ketchikan
CEMENT—1,320 lbs, Mariposa, Sydney
THINNER—2,310 lbs, Coya, San Jose
PECTIN — 150 lbs, Pacific Enterprise, Vancouver
CITROUS—(Mostun) 9,800 lbs, London; 2,400 lbs, Liverpool; 2,000 lbs, Rotterdam; 2,000 lbs, Delftdijk, London; 500 lbs, Berganger, Antwerp; 1,000 lbs, Abraham Lincoln, Oslo; 600 lbs, Mariposa, Sydney
PETROLEUM, CRUDE—98,608 bbls, 30,765,700 lbs, Athelmonarch, Gensan; 51,096 bbls, 15,941,950 lbs, La Placentia, Ioco; 80,558 bbls, 25,134,100 lbs, Kurosio, Kure
GAS LIQ—10 cyls, 2,250 lbs, Delftdijk, London; 65 cyls, 3,190 lbs, Mariposa, Sydney
POTASH, MURIATE — 1,500,800 lbs, Coloradan, San Juan
SOAP, LAUNDRY — 1,000 ctns, 50,000 lbs, Forbes Hauptman, San Juan
SODA, BICARBONATE—110 lbs, Coya, Amapala
CYANIDE—1,500 lbs, Coya, Amapala
SOLDERING FLUX, LIQ—1,400 lbs, Mariposa, Auckland
TALC—100 bgs, 10,000 lbs, Bokuyo, Porto Colombia; 150 bgs, 33,600 lbs, Mariposa, Sydney
TOILET PREPS—760 lbs, Coya, San Salvador; (Coloradan) 650 lbs, San Juan; 310 lbs, Arecibo; (City of Newport News) 740 lbs, Caracas; 370 lbs, Georgetown; 610 lbs, Buenos Aires, (Nairobi; (Mariposa) 1,650 lbs, Melbourne; 200 lbs, Suva; 530 lbs, Sydney; 3,650 lbs, Lossiebank, Manila

Mobile Exports

Clearance Dates

Ada, April 29; Dalvangen, April 24; Sorvangen, April 27

COLOR, DRY—28 dms, Ada, Maracaibo
LARD—(Sorvangen) 40 crts, Ciudad Trujillo; 100 tins, Puerto Cabello; 900 tins, Ada, Maracaibo
ROSIN, WOOD—(Sorvangen) 40 dms, Ciudad Trujillo; 15 dms, Pumpata; 90 dms, Puerto Cabello; 70 dms, La Guaira; 120 dms, Ada, Maracaibo
TURPENTINE—12 dms, Dalvangen, St Lucia

New Orleans Exports

Clearance Dates

Ada, April 27; Crawford Ellis, April 4; Dalvangen, April 22; Harboe Jensen, April 8; Kimikawa, April 17; Lindvangen, April 11; Maristella, April 24; Nishaba, April 20; Nishmaha, April 24; Port Antonio, April 12; San Gil, April 6; Sinaloa, April 8; Sixaola, April 8, April 25; Toloa, April 19; Uula, April 4, April 14; Vav, April 24; West Chatala, April 12

ASPHALT—5 tons, Harboe Jensen, Belize; (West Chatala) 10 tons, Liverpool; 5 tons, Manchester; 318 tons, San Gil, Acajutla; 90 tons, Nashaba, London
BAKING POWDER—2 tons, Ulua, Tela; 1 ton, Sixaola, Puerto Cortez; 1 ton, Toloa, Tela
BENZOL—595,649 gls, Vav, Lands End
BLACK, CARBON—1 ton, Ulua, Puerto Barrios; (West Chatala) 23 tons, Liverpool; 133 tons, Manchester; 31 tons, Liverpool/Manchester; 2 cs, Nishmaha, Piraeus; 64 tons, Nashaba, London
CALCIMINE—134 ctns, Lindvangen, La Guaira
CALCIUM, CHLORIDE—3 tons, Harboe Jensen, Belize
PHOSPHATE—125 tons, Ulua, Havana
CARBON DIOXIDE—20 cyls, Toloa, Tela
CLAY, GRD—81 tons, West Chatala, Manchester; 18 tons, Nashaba, London
CORN, FLOUR—197 tons, Nashaba, London
SUGAR—199 tons, Nashaba, London
DIATOMACEOUS EARTH—40 tons, Sixaola, Havana; 25 tons, Harboe Jensen, Santiago
FIRECLAY—(Ada) 200 sx, San Nicholas; 139 pkgs, Maracaibo
GASOLINE—(Crawford Ellis) 950 dms, 50 bbls, Puerto Barrios; 45 dms, Livingston; 700 cs, 620 dms, Tela; (Harboe Jensen) 100 bbls, Puerto Barrios; 100 dms, 100 cs, Puerto Castilla; (Lindvangen) 20 dms, Willemstad; 75 bbls, La Guaira; 20 dms, Moengo
GLUCOSE—1 ton, Toloa, Puerto Barrios
GREASE, LUBRIC—8 dms, Crawford Ellis, Livingston; (Sixaola) 55 dms, Havana; 18 dms, 24 cs, Puerto Barrios; 10 dms, 34 pls, 18 ctns, Toloa, Puerto Barrios
INK—5 tons, Sixaola, Havana
INVALIDS' FOOD—2 tons, Ulua, Havana
KEROSENE—(Sixaola) 24 dms, Puerto Limon; 25 dms, Santa Marta; 200 cs, Harboe Jensen, Puerto Castilla; 2,017 cs, Lindvangen, Ciudad Trujillo; 100 cs, Ulua, Puerto Limon; 125 dms, 100 cs, Toloa, Puerto Barrios
LARD—(Sixaola) 100 tins, 300 dms, Havana; 3 tons, 600 tins, Puerto Barrios; 1,200 tins, 20 crts, Puerto Limon; 750 tins, Santa Marta; 35 crts, Sinaloa, Bluefields; 205 cs, 395 dms, 100 ctns, 35 crts, 205 tins, Harboe Jensen, Santiago; (Lindvangen) 500 tins, Port au Prince; 500 pkgs, 400 tins, 30 crts, Ciudad Trujillo; 100 tins, Willemstad; 1,050 tins, Puerto Cabello; 3,525 tins, La Guaira; (Port Antonio) 375 dms, 75 cs, Santiago; 11,750 tins, Barranquilla; 5,070 tins, Cartagena; (San Gil) 1,000 tins, Panama; 100 tins, 15 cs, Puntarenas; 250 tins, Buenaventura; (Ada) 300 tins, Oranjestad; 1,360 tins, Maracaibo; (Ulua) 2 tons, 500 dms, 75 tins, Havana; 1,200 tins, Puerto Limon; 50 cns, Panama; 1,400 tins, Buenaventura; 100 tins, Guayaquil; 100 tins, Puntarenas; 400 tins, Puerto Barrios; 850 tins, Toloa, Puerto Barrios
LIME, HYDRATED—106 tons, Crawford Ellis, Puerto Barrios; 198 tons, Harboe Jensen, Kingston; 15 tons, San Gil, Panama
MANDRAKE ROOT—11 tons, Nashaba, London
OIL, DIESEL—150 dms, Harboe Jensen, Livingston; 550 bbls, Dalvangen, Moengo
ENGINE—6 dms, Sixaola, Puerto Cortez
FUEL—100 dms, Sixaola, Puerto Cortez; 1,400 bbls, Dalvangen, Moengo
LUBRICATING—(Kimikawa) 200 dms, Yokohama; 907 dms, Osaka; 300 dms, Kobe; (Lindvangen) 1,450 pkgs, Puerto Cabello; 675 pkgs, 105 dms, La Guaira; (Sixaola) 5 dms, Havana; 118 dms, 25 crts, 17 cs, 25 bbls, Puerto Barrios; 75 dms, Ada, Maracaibo; 300 cs, 20 pls, Ulua, Panama; 30 dms, 55 crts, 14 bbls, Toloa, Puerto Barrios; 2 tons, Nashaba, London
PINE—51 tons, Nashaba, London
REFINED—70 cs, Crawford Ellis, Puerto Barrios; 35 dms, Harboe Jensen, Puerto Barrios; 100 cs, Ulua, Puerto Limon
OXYGEN—3 tons, Harboe Jensen, Puerto Castilla
PAINT—1 ton, Ulua, Puerto Barrios
PARAFFIN—27 tons, West Chatala, Liverpool; 22 tons, Port Antonio, Barranquilla; 130 tons, Nashaba, London
SCALE—33 tons, West Chatala, Manchester
PETROLATUM—100 bbls, Kimikawa, Kobe
PETROLEUM, CRUDE—1,193 tons, Kimikawa, Tokuhama
PINETAR—24 tons, Nashaba, London
QUEBRACHO WOOD—68 tons, Sixaola, Havana; 26 tons, Ulua, Havana
EXTRACT—33 tons, Ulua, Havana
ROSIN—(Sixaola) 3 tons, Puerto Limon; 2 tons, Puntarenas; 44 tons, Port Antonio, Cartagena; (San Gil) 1 ton, Panama; 12 tons, Buenaventura; 10 tons, Guayaquil; 4 tons, Ulua, Puerto Limon; 59 tons, West Chatala, Liverpool
GUM—25 tons, Port Antonio, Barranquilla
WOOD—2 tons, Ulua, Puerto Barrios
SALT—25 tons, Sixaola, Havana; (Ulua) 112 tons, Havana; 25 tons, Puerto Barrios; 3 tons, Harboe Jensen, Santiago; 105 sx, Lindvangen, Ciudad Trujillo; 6 tons, Port Antonio, Santiago; 30 ctns, Ada, Oranjestad; 2 tons, Tela
SHRIMP BRAN—10 tons, San Gil, Panama; 2 tons, Ulua, Havana
SOAPSTOCK, COTTONSEED—12 tons, Nashaba, London
SOYBEAN MEAL — 34 sx, Lindvangen, La Guaira; 40 tons, Ulua, Havana; 450 sx, Dalvangen, Bridgetown
STARCH—28 tons, West Chatala, Liverpool
CORN—490 tons, West Chatala, Manchester; 139 tons, Nashaba, London
TURPENTINE—30 cs, Lindvangen, La Guaira; 30 tons, Nashaba, London
UREA—150 tons, Crawford Ellis, Tela
WAX—200 sx, Maristella, Trieste
WOOD PRESERVATIVE—1 ton, Ulua, Havana

Norfolk Exports

Clearance Dates

Bilderdijk, May 2; Black Eagle, May 1; Blommersdijk, April 26; Manchester Brigade, April 25; Potter, April 24; Schodack, April 27; Tai Ying, April 30

CHEMICALS—2 cs, 2 crts, 1 dm, Black Eagle, Antwerp
CLAY—40 bgs, 2,020 lbs, Schodack, Havre
COALTAR INTERMEDIATES—3 cs, 302 lbs, Black Eagle, Antwerp
COTTONSEED HULL SHAVINGS, PULP—652 lbs, 93,208 lbs, Blommersdijk, Rotterdam
DEER TONGUE LEAVES—24 bls, 11,172 lbs, Black Eagle, Antwerp
DIETHYLENEGLYCOL BUTYLETHER ACETATE—1 dm, 46 lbs, Black Eagle, Antwerp
ETHER—1 dm, 41 lbs, Black Eagle, Antwerp
ETHYLENE DICHLORIDE—3 dms, 168 lbs, Black Eagle, Antwerp
ETHYLENEGLYCOL MONOETHYLETHER — 40 dms, 27,600 lbs, Schodack, Havre
MONOETHELETHER ACETATE — 15 dms, 7,200 lbs, Schodack, Havre
ETHOXYTETRAGLYCOL—1 dm, 46 lbs, Black Eagle, Antwerp
GLASS, PLATE—2 cs, 1,408 lbs, Potter, Manila; 17 cs, Tai Ying, Manila
GLYCOL DIACETATE—1 dm, 51 lbs, Black Eagle, Antwerp
ISOPROPYL ACETATE—200 dms, 85,990 lbs, Schodack, Havre; 99 dms, 25,800 lbs, Black Eagle, Antwerp
MEDICINAL PREPS—8 bxs, 272 lbs, Potter, Hongkong
METHANOL — 80 dms, 3,837 lbs, Schodack, Havre
METHYL CHLORIDE — 10 cyls, 1,123 lbs, Black Eagle, Antwerp
METHYLISOBUTYL KETONE—40 dms, 24,000 lbs, Schodack, Havre
MICA, PULV — 100 bgs, 10,200 lbs, Black Eagle, Antwerp
MOLDING COMPOSITION—1 dm, 150 lbs, Bilderdijk, Rotterdam; 6 dms, 810 lbs, Blommersdijk, Piraeus
MONOETHANOLAMINE—1 dm, 512 lbs, Black Eagle, Antwerp
OCHER—155 bls, 67,160 lbs, Blommersdijk, Amsterdam
PAINT, LIQ—160 pls, 8,960 lbs, Potter, Honolulu
POLISH—1 bx, Tai Ying, Manila
PROPYLENE OXIDE — 1 dm, 56 lbs, Black Eagle, Antwerp
RESIN, SYNTH—6 ctns, 131 lbs, Black Eagle, Antwerp
SOLVENT, COALTAR — 63 bbls, 26,775 lbs, Potter, Manila
SOYBEANS—33,488 bus, Blommersdijk, Rotterdam; 764,920 lbs, Bilderdijk, Rotterdam
TANNING EXTRACT — (Manchester Brigade) 485 bbls, 294,066 lbs, Liverpool; 290 bbls, 174,228 lbs, Manchester; 195 bgs, 29,250 lbs, Bilderdijk, Amsterdam
WITCH HAZEL LEAVES—31 bls, 9,559 lbs, Schodack, Havre

Philadelphia Exports

Clearance Dates

Amagisan, April 29; Astrid Thorden, May 2; Barbara, May 2; Birmania, May 5; Black Condor, May 3; Independence Hall, May 3; Naruto Maru, May 5; Noto, May 3; Polycarp, May 3; San Bernardino, May 2; Scanstates, April 18; (Chester) Tampa, May 2; Temple Pier, May 3; Vingaren, May 1; West Lashaway, April 29

ACID, PHOSPHORIC — 23 bbls, Vingaren, Stockholm
ALCOHOL, BUTYL—(Tampa) 48 pkgs, Sydney; 3 pkgs, Melbourne; 30 pkgs, Adelaide
ALUMINA SULPHATE—1,800 bgs, Barbara, San Juan
BLACK, BONE—(Tampa) 30 pkgs, Sydney; 10 pkgs, Melbourne
BRAKE FLUID—2 dms, Scanstates, Copenhagen
BUTYL ACETATE—(Tampa) 90 pkgs, Sydney; 36 pkgs, Melbourne; 30 dms, Temple Pier, Wellington
CEMENT, FIBER—7 dms, Scanstates, Copenhagen
LEATHER—1 cs, Temple Pier, Auckland
RUBBER—5 pls, 7 dms, Scanstates, Copenhagen
CHEMICALS—1 bx, Birmania, Bergamo; (Tampa) 1 pkg, Sydney; 1 pkg, Melbourne
CLEANER—15 pkgs, Independence Hall, Havre
COALTAR, INTERMEDIATES—8 dms, Polycarp, Recife
PROD—30 dms, Polycarp, Recife
COCOA, BUTTER—2 cs, Noto Maru, Yokohama
CAKE—1,280 bgs, Black Condor, Amsterdam
WASTE—292 bgs, Black Condor, Amsterdam
COLLODION COTTON—127 bbls, Black Condor, Rotterdam
CYANIDE—(Tampa) 2 pkgs, Sydney; 10 pkgs, Melbourne
ETHYL ACETATE—17 pkgs, Tampa, Melbourne
FLUID—20 dms, Temple Pier, Lyttleton
GASOLINE—(West Lashaway) 1,250 cs, Dakar; 1,500 cs, Bissao; 5,000 cs, Conakry; 1,000 cs, Freetown; 150 cs, 10 dms, Monrovia; 4,000 cs, Port Bouet; 4,950 cs, Takoradi; 2,500 cs, Winnebah; 5,300 cs, Accra; 1,000 cs, Lome; 500 cs, Contonou; 6,944 cs, Laigos; 1,000 cs, Kribe; 750 cs, 110 dms, Libreville; 2,000 cs, Port Gentil
GLAZE, METAL — 1 pl, Scanstates, Copenhagen
GREASE, LUBRIC—(West Lashaway) 10 dms, 35 cs, Dakar; 10 dms, Conakry; 7 dms, Scanstates, Copenhagen; 10 dms, Vingaren, Helsingfors; 5 pkgs, Independence Hall, Havre; 17 pkgs, Black Condor, Rotterdam; 3 pkgs, Tampa, Sydney; 8 dms, San Bernardino, Guayaquil; 1 dm, Temple Pier, Wellington
INK, PRINTING—1 pkg, Black Condor, Rotterdam
INSECTICIDE—4 cs, West Lashaway, Port Gentil
LARD—60 tins, San Bernardino, Guayaquil
LICORICE EXTRACT—11 dms, Temple Pier, Auckland
PASTE—5 cs, Vingaren, Viipuri; 5 cs, Temple Pier, Auckland
LINSEED CAKE — 884 pkgs, Black Condor, Rotterdam
MINERAL SPTS—20 cs, Polycarp, Para
OIL, FUEL—(West Lashaway) 300 dms, Libreville; 100 dms, Port Gentil
ILLUMINATING—(West Lashaway) 1,250 cs, Dakar; 500 cs, 20 dms, Bissao; 500 cs, Conakry; 1,000 cs, Freetown; 800 cs, Monrovia; 1,000 cs, Port Bouet; 1,250 cs, 100 dms, Takoradi; 1,000 cs, Accra; 500 cs, Cotonou; 250 cs, Port Harcourt; 500 cs, Kribe; 660 cs, Libreville; 610 cs, Port Gentil
LUBRICATING—924 tons, Amagisan, Tokuyama; (West Lashaway) 108 cs, 15 dms, Dakar; 25 dms, Conakry; 6 dms, 7 cs, 95 pkgs, Freetown; 3 dms, 1 cs, Monrovia; 60 pkgs, Grand Lahou; 645 pkgs, Port Bouet; 35 pkgs, Grand Bassam; 50 pkgs, Takoradi; 50 pkgs, Accra; 60 pkgs, Winnebah; 55 pkgs, Kumasi; 90 pkgs, Cotonou; 20 pkgs, Niamey; 68 pkgs, Lagos; 417 pkgs, Duala; 105 pkgs, Kribe; 10 dms, 114 cs, Libreville; 50 cs, 35 pkgs, Port Gentil; 165 pkgs, Brazzaville; 47 pkgs, Jadotsville; 45 pkgs, Usumbra; 132 dms, 424 cs, Leopoldsville; 79 pkgs, Elizabethsville; 20 pkgs, Albertsville; 20 pkgs, Oostermansville; 14 pkgs, Boma; 260 dms, Matadi; 50 dms, Vingaren, Stockholm; (Polycarp) 82 dms, 109 cs, Para; 169 pkgs, Ceara; 10 dms, Pernambuco; 291 pkgs, Bahia; 15 pkgs, Manaos; 104 pkgs, Maranhao; 63 pkgs, Maceio; 80 pkgs, Cabedello; (Birmania) 117 bbls, (Naples; 465 bbls, Genoa; 962 tons, Vado; (Independence Hall) 558 pkgs, Havre; 25 pkgs, Bordeaux; (Black Condor) 255 pkgs, Rotterdam; 253 pkgs, a quantity, Antwerp; (Tampa) 1,417 pkgs, Sydney; 460 pkgs, Melbourne; 465 pkgs, Adelaide; 35 pkgs, Townsville; 156 pkgs, Rockhampton; (San Bernardino) 38 dms, Cristobal; 9 dms, 3 qtr dms, Mollendo; 4 dms, Paita; 10 dms, San Jose; 3 bxs, 75 dms, 8 cs, Guayaquil; (Temple Pier) 67 dms, Auckland; 7 dms, 1,275 pkgs, Wellington; 284 pkgs, Lyttelton; 9 dms, Christchurch; 10 dms, 60 pkgs, Dunedin; 498 pkgs, Auckland; (Naruto) 793 dms, 10 cs, Yokohama; 810 dms, Moji; 1,774 dms, Kobe; 678 dms, Dairen
NEATSFOOT—12 pkgs, Independence Hall, Havre
PAINT — 149 pls, Scanstates, Copenhagen; (Astrid Thorden) 24 kits, 19 ctns, Nordmaling; 25 ctns, 7 kits, Stockholm
PASTE—1 ctn, Astrid Thorden, Stockholm
PARAFFIN—536 pkgs, Black Condor, Antwerp
REFINED—50 pkgs, Black Condor, Antwerp
RESIN, COALTAR—(Vingaren) 2 dms, Stockholm; 2 dms, Gothenburg; 13 pkgs, Independence Hall, Havre
SODA ASH—1 dm, Tampa, Sydney; 1 dm, Temple Pier, Dunedin
SILICATE—15 pkgs, Independence Hall, Havre
SOLVENT, AROMATIC—22 dms, Temple Pier, Wellington
TANNING MATERIAL—(Tampa) 10 pkgs, Sydney; 26 pkgs, Melbourne; (Temple Pier) 30 bbls, Lyttelton; 6 bbls, Auckland
TETRAETHYL LEAD—(Temple Pier) 4 dms, Auckland; 5 dms, Wellington; 3 dms, Lyttelton; 2 dms, Dunedin
TOILET PREPS—2 cs, San Bernardino, Trinidad
VARNISH—4 ctns, Astrid Thorden, Stockholm
WAX, MINERAL—81 pkgs, Independence Hall, Havre
ZIRCONIUM POWDER—3 pkgs, Black Condor, Rotterdam

Port Arthur Exports

Clearance Dates

Asuka, April 29; Belita, April 27; Caledonia, April 30; Goslar, April 27; Inverlane, April 26; Nishmaha, April 27

ASPHALT—(Goslar) 2,703 bbls, Sydney; 1,388 bbls, Melbourne
GASOLINE—14,850 dms, Asuka, Yokkaichi-Yokohama-Kobe-Osaka
AVIATION—25 dms, Goslar, Brisbane
GREASE, LUBRIC—(Goslar) 25 dms, Brisbane; 95 dms, 150 cs, Sydney; 96 dms, Melbourne; 10 dms, Newcastle; 10 dms, Adelaide; 10 dms, 25 cs, Fremantle; 30 bbls, Nishmaha, Genoa
OIL, DIESEL—(Goslar) 800 dms, Brisbane; 600 dms, Sydney; 400 dms, Melbourne; 150 dms, Newcastle; 150 dms, Adelaide
FUEL—52,108 bbls, Inverlane, Malaga-Barcelona; 31,462 bbls, Belita, Malaga; 92,105 bbls, Caledonia, Ceuta
GAS—37,849 bbls, Inverlane, Malaga-Barcelona; 34,695 bbls, Belita, Malaga
LUBRICATING—(Goslar) 1,840 dms, 400 cs, Brisbane; 2,263 dms, 132 cs, Sydney; 1,888 dms, 354 cs, Melbourne; 333 dms, 50 cs, Newcastle; 310 dms, 100 cs, Adelaide; 545 dms, 4 cs, Fremantle; (Nishmaha) 70 hlf bbls, 1,179 bbls, 90 dms, Genoa; 5 dms, 126 bbls, 11 hlf bbls, 20 dms, Naples; 110 bbls, Fiume; 138 bbls, 15 dms, 14 hlf bbls, Venice
PAINT SOLVENT—(Goslar) 20 dms, Brisbane; 25 dms, Sydney; 300 dms, Adelaide
PARAFFIN—(Goslar) 50 cs, Sydney; 12 bgs, 25 cs, Melbourne; 20 cs, Fremantle

San Francisco Exports

Clearance Dates

Abraham Lincoln, April 15; Arthur F Corwin, April 15; Blackheath, April 17; City of Baltimore, April 15; Dagmar Salen, April 15; Delftdijk, April 19; Este, April 17; Hauraki, April 15; Leikanger, April 17; Manzyu, April 17; Silversandal, April 16; Silverwillow, April 15; Sveadrott, April 17; Takaoka, April 15

APRICOT KERNELS—(Delftdijk) 250 sks, England; 300 sks, Holland
ASPHALT—(Silverwillow) 300 bdls, 2,215 dms, Durban; 304 dms, Capetown; 44 dms, Beira; 50 bdls, Nairobi; (Hauraki) 492 dms, Auckland; 20 bbls, Lyttelton; 15 dms, Sydney; 7,538 dms, Dagmar Salen, Haiphong

ASPHALT, CRUDE—71 sks, Silverwillow, East London
GILSONITE—736 sks, Este, Hamburg
BENZENE—(Hauraki) 5 dms, Auckland; 10 dms, Lyttelton; 50 dms, Melbourne; 4 dms, Adelaide
BIOLOGICALS, VETERINARY—2 cs, Silverwillow, Maritzburg
BLACK, CARBON—6 cs, Hauraki, Wellington
BLUE, LAUNDRY—3 cs, Silversandal, Menali
BORAX—2 cs, Silversandal, Shanghai
BRAKE FLUID—1 cs, Hauraki, Papeete
BRONZE POWDER—1 cs, Silverwillow, Port Elizabeth
CALCIMINE—16 bbls, Takaoka, Caracas
CARBON—110 sks, Delftdijk, Holland
CASCARA BARK—50 sks, Hauraki, Auckland
CEMENT—1 cs, Hauraki, Wellington
MAGNESIA—552 sks, Leikanger, Argentina
ROOF—(Silverwillow) 10 cs, Durban; 50 pls, Capetown; 20 pls, Durban; 100 pls, 17 cs, Port Elizabeth; 3 cs, Hauraki, Lyttelton
VULCANIZING—(Silverwillow) 20 cs, Durban; 10 cs, Capetown; 10 cs, Port Elizabeth
CHEMICALS—12 kits, Silverwillow, Durban
CHLORINE BLEACH—19 cs, Hauraki, Papeete
CLEANER—(Silverwillow) 8 cs, Port Elizabeth; 6 cs, East London; 42 cs, Durban; 14 cs, Capetown; (Silversandal) 1 cs, Shanghai; 3 cs, Hongkong; (Hauraki) 7 dms, 2 cs, Wellington; 2 dms, Lyttelton
COALTAR—5 cs, Hauraki, Papeete
COCOA BEANS—173 sks, Hauraki, Auckland
COLOR, CEMENT—1 dm, Hauraki, Papeete
CORKS—5 sks, Hauraki, Papeete
DIATOMACEOUS EARTH—(Silverwillow) 10 sks, Capetown; 224 sks, Durban; 336 sks, Beira
DRIER, VARNISH—4 kits, 1 dm, Hauraki, Lyttelton
DRUG COMP—3 cs, Silversandal, Manila
FILLER, WOOD—(Silverwillow) 1 cs, East London; 3 cs, Capetown
FLYSPRAY—(Silverwillow) 12 cs, Port Elizabeth; 12 cs, East London; 60 cs, Durban; 22 cs, Capetown
GASOLINE—710 cs, 60 dms, Hauraki, Papeete; (Dagmar Salen) 2,000 dms, Haiphong; 300 dms, Dairen
GINGER ROOT—(Hauraki) 21 sks, Bluff; 36 sks, Melbourne; 126 sks, Sydney; 48 sks, Brisbane
GLUCOSE—(Hauraki) 16 bbls, Wellington; 48 bbls, Dunedin; 10 bbls, Bluff
GRAPHITE—4 pkgs, Hauraki, Papeete
GREASE, LUBRIC—(Silverwillow) 1 cs, Port Elizabeth; 1 cs, East London; 3 cs, Durban; 1 cs, Capetown; (Hauraki) 33 dms, Wellington; 102 dms, Auckland; 20 dms, Lyttelton; 85 dms, Melbourne; 60 dms, Sydney; 9 cs, Papeete
HOPS—3 cs, Hauraki, Papeete
INK—2 cs, Hauraki, Papeete
INSECTICIDE—(Silverwillow) 1 cs, Port Elizabeth; 21 cs, Durban; 1 cs, East London; 5 cs, Capetown; 2 cs, Hauraki, Papeete
AGRICULTURAL—15 cs, Silverwillow, Capetown
KEROSENE—(Hauraki) 10 dms, Auckland; 150 dms, Lyttelton; 170 dms, Sydney; 700 cs, Papeete; 134 dms, Dagmar Salen, Hongkong
LACQUER—(Silverwillow) 1 cs, Johannesburg; 24 pls, 224 cs, Durban; 27 cs, 3 pls, East London; 58 cs, Port Elizabeth; 108 cs, Capetown; 39 cs, Leikanger, Argentina
THINNER — (Silverwillow) 5 dms, 50 cs, Johannesburg; 15 dms, Durban; 7 dms, 3 cs, 60 pls, East London; 1 cs, 86 pls, 4 dms, Port Elizabeth; 161 pls, Capetown
LEAD COMP—50 dms, Leikanger, Argentina
LOGWOOD EXTRACT—4 csks, Hauraki, Auckland
LYE—3 cs, Hauraki, Papeete
MEDICINAL PREPS—(Hauraki) 3 cs, Lyttelton; 2 cs, Papeete; (City of Baltimore) 1 cs, Maracaibo; 3 cs, Kingston
MILK POWDER—4 cs, Takaoka, Caracas; 2 cs, Hauraki, Papeete
MINERAL SPTS—(Hauraki) 250 dms, Auckland; 230 dms, Wellington; 20 dms, Lyttelton
NAPHTHA—(Hauraki) 20 cs, 15 dms, Auckland; 60 dms, Wellington; 10 dms, Lyttelton; 300 dms, Melbourne; 80 dms, Adelaide; 100 dms, Sydney
OIL—2 dms, Hauraki, Papeete
BATCHING—2,384 bbls, Arthur F Corwin, Manila-Cebu
CASTOR, LUBRIC—80 cs, Hauraki, Auckland
CITRONELLA—1 cs, Hauraki, Papeete
COCONUT—10 dms, Delftdijk, Colombia; (Hauraki) 15 bbls, Auckland; 40 bbls, Lyttelton
DIESEL—4,875 bbls, Arthur F Corwin, Manila-Cebu; 7,061 bbls, Silversandal, Shanghai; 40,165 bbls, Manzyu, Moji-Nagasaki; 58,851 bbls, Sveadrott, Osaka
FISH-LIVER — (Abraham Lincoln) 3 gls, Oslo; 250 gls, Abraham Lincoln, London
FUEL—25,980 bbls, Sveadrott, Osaka
GRAPESEED, REFD—5 cs, Delftdijk, England
LINSEED—5 kgs, 2 pls, 1 cs, Hauraki, Papeete
LUBRICATING—(Silverwillow) 2,125 dms, 75 cs, Durban; 30 cs, Port Elizabeth; 10 dms, 40 cs, East London; 105 dms, 110 cs, Capetown; 130 cs, 50 dms, Lourenco Marques; (Hauraki) 68 dms, Dunedin; 6 dms, Adelaide; 262 dms, 260 cs, Auckland; 215 dms, 255 cs, Wellington; 58 dms, 15 cs, Lyttelton; 320 dms, Melbourne; 390 dms, Sydney; 2 dms, 1 cs, Papeete; 2,394 bbls, Arthur F Corwin, Manila-Cebu; (Dagmar Salen) 3,597 bbls, Tsurumi; 160 dms, Haiphong; 200 dms, Yokohama; 3,960 bbls, Este, Hamburg
MACHINE—(Silverwillow) 1 cs, Port Elizabeth; 1 cs, Durban; 1 cs, Capetown; 2 cs, Hauraki, Papeete
MOTOR—24 cs, 10 dms, Hauraki, Papeete
PINE—(Hauraki) 14 dms, Auckland; 2 dms, Wellington
OILPROOFING COMP—2 dms, Silverwillow, Auckland
PAINT—(Silverwillow) 112 pls, 6 dms, 140 cs, Durban; 8 cs, East London; 67 cs, 10 pls, Port Elizabeth; 66 cs, 20 pls, Capetown; 9 cs, Lourenco Marques; 28 pls, Beira; 8 cs, 3 pls, Nairobi; 91 cs, Hauraki, Papeete; 63 pls, Silversandal, Manila; 4 cs, Leikanger, Argentina; (Delftdijk) 10 pls, Chile; 10 dms, 1 cs, Panama
COPPER—3 cs, Hauraki, Papeete
ENAMEL—(Silverwillow) 9 cs, Capetown; 6 cs, Durban; 2 cs, East London; 1 cs, Hauraki, Papeete; 32 cs, Leikanger, Argentina
PASTE—2 cs, Hauraki, Papeete; 4 cs, Leikanger, Argentina
PREPARED—1 cs, Hauraki, Papeete; 12 cs, Silversandal, Manila
PAINT THINNER—(Silverwillow) 3 cs, East London; 5 pls, Port Elizabeth; 5 pls, 11 cs, Capetown
PASTE, LINOLEUM—(Silverwillow) 200 pls, 90 cs, Durban; 12 cs, Capetown; 6 dms, Hauraki, Wellington
PEPPER, BLACK—(Silverwillow) 50 sks, Corral; 50 sks, Cartagena
PETROLEUM—(Silverwillow) 250 cs, Durban; 10 dms, Capetown; (Hauraki) 20 cs, 2 dms, Auckland; 200 cs, Wellington; 130 dms, Melbourne; 125 dms, Sydney
CRUDE—13,580 bbls, Manzyu, Moji
DISTILLATE—Dagmar Salen, Hongkong; 110 dms, Shanghai
REFINED—31,400 bbls, Arthur F Corwin, Manila-Cebu
PIMENTO—8 sks, Hauraki, Wellington
POLISH—(Silverwillow) 2 pls, 8 cs, Port Elizabeth; 8 cs, Capetown; 1 cs, Durban; 3 cs, Hauraki, Papeete; 1 cs, Silversandal, Manila
POTASH XANTHATE — 6 dms, Leikanger, Chile
PUTTY—(Silverwillow) 2 cs, East London; 1 cs, Port Elizabeth; 6 cs, Capetown
ROSIN, GUM—(Hauraki) 55 bbls, Wellington; 60 bbls, Lyttelton
WOOD—(Hauraki) 30 bbls, Auckland; 93 bbls, Wellington; 25 bbls, Lyttelton; 10 bbls, Dunedin
ROUGE, POLISHING—1 cs, Hauraki, Papeete
SALT—25 cs, Silverwillow, Durban; 51 bls, 140 sks, 160 pkgs, Hauraki, Papeete
IODIZED—400 pkgs, Hauraki, Lyttelton
SARDINE MEAL—200 sks, Silversandal, Manila
SIENNA, BURNT—1 cs, Hauraki, Papeete
SOAP—10 cs, Silversandal, Shanghai
LAUNDRY—170 cs, City of Baltimore, Balbao
SODA ASH—1 sk, Hauraki, Papeete
CAUSTIC—1 dm, Hauraki, Papeete
SOLDERING FLUX—1 dm, Hauraki, Wellington
STAIN—1 cs, Hauraki, Papeete
SULPHUR, GRD—(Hauraki) 244 sks, Lyttelton; 40 sks, Dunedin
FLOWERS—(Hauraki) 3 sks, Lyttelton; 20 sks, Dunedin
REFINED—60 sks, Hauraki, Lyttelton
TAPIOCA—200 cs, Hauraki, Auckland
TOILET PREPS—(Hauraki) 6 cs, Papeete; 2 cs, Auckland; 3 cs, Silversandal, Shanghai
TURPENTINE — (Hauraki) 75 cs, 10 dms, Auckland; 50 pls, 5 dms, 70 cs, Wellington; 20 cs, 1 dm, Lyttelton
GUM—(Hauraki) 140 cs, 17 dms, Auckland; 115 cs, Wellington; 35 cs, 2 dms, Dunedin; 20 cs, New Plymouth; 3 cs, Papeete
UMBER, BURNT—1 cs, Hauraki, Papeete
VARNISH—4 cs, Hauraki, Papeete; 33 cs, Leikanger, Argentina
WAX, PASTE—1 cs, Hauraki, Papeete
POLISHING—(Silverwillow) 1 cs, Port Elizabeth; 1 cs, East London; 6 cs, Durban; 2 cs, Capetown; 1 cs, Hauraki, Papeete
YEAST—80 cs, Silversandal, Shanghai
ZINC DUST—20 cs, Silverwillow, Mombasa

Savannah Exports

Clearance Dates

Fluor Spar, April 27; Neptung, May 2; Port Bowen, April 27; Potter, April 28; Shickshinny, April 27; Silveryew, April 27; Tai Yin, May 2; Terukawa, May 4; Tower Field, April 29; Trafalgar, April 26

CLAY—(Trafalgar) 800 bgs, Stockholm; 1,200 bgs, Norrkoeping; 110 bgs, Gdynia; 1,320 bgs, Shickshinny, London; 3,840 bgs, Fluor Spar, Manchester; (Tower Field) 440 bgs, Rotterdam; 1,570 bgs, Hamburg; 600 bgs, Bremen
FULLER'S EARTH—(Trafalgar) 90 bgs, Oslo; 3,618 bgs, Gdynia
OIL, PINE—(Port Bowen) 6 dms, Sydney; 15 dms, Melbourne; 24 dms, Fremantle; 16 dms, Adelaide
RESIN—1 dm, Port Bowen, Sydney
PAINT MATERIALS—2 cs, Port Bowen, Brisbane
PINETAR—40 dms, Port Bowen, Melbourne
RESIN, PULV—5 bgs, Port Bowen, Melbourne
ROSIN—(Tower Field) 300 bbls, London; 272 bbls, Newcastle; 91 bbls, Hull; 25 bbls, Rotterdam; 1,400 bbls, Hamburg; 200 bbls, Aberdeen
GUM—(Trafalgar) 330 bbls, 100 dms, Oslo; 25 bbls, Bergen; 715 bbls, Gothenburg; 20 dms, Stockholm; 685 bbls, 40 dms, Copenhagen; 1,000 dms, Potter, Shanghai; (Port Bowen) 300 bbls, Brisbane; 1,445 bbls, Sydney; 390 bbls, Melbourne; 75 bbls, Adelaide; (Shickshinny) 7 bbls, Hull; 251 bbls, Rotterdam; (Fluor Spar) 410 bbls, Glasgow; 256 bbls, Liverpool; 825 bbls, Hamburg; 14 bbls, Oslo; (Neptung) 560 bbls, Havana; 547 bbls, Yokohama; (Terukawa) 150 bbls, Tientsin; 100 bbls, Tsingtao; 475 bbls, Osaka; (Tai Yin) 175 bbls, Shanghai; 60 bbls, Hongkong
SIZE—135 bgs, Shickshinny, Antwerp
SIZE, DRY—(Trafalgar) 234 bgs, Helsingfors; 200 bgs, Mantyluoto
WOOD—(Port Bowen) 50 bbls, 356 dms, Brisbane; 70 bbls, Sydney; 5 bbls, Melbourne; (Terukawa) 77 bbls, Yokohama; 170 bbls, Osaka
TURPENTINE—(Tower Field) 600 bbls, London; 425 bbls, Rotterdam
GUM—(Trafalgar) 180 bbls, Oslo; 215 bbls, Gothenburg; 25 bbls, Malmo; 325 bbls, Copenhagen; (Port Bowen) 50 cs, 11 dms, Brisbane; 1,085 cs, 1 dm, Sydney; 498 cs, 169 dms, Melbourne; 50 cs, 1 dm, Fremantle; 240 cs, 96 dms, Adelaide; (Shickshinny) 250 bbls, London; 100 bbls, Hull; 730 bbls, Antwerp; 33 bbls, Rotterdam; 100 bbls, Amsterdam; (Fluor Spar) 100 bbls, Glasgow; 150 bbls, Liverpool; 325 bbls, Manchester; 32 dms, Neptung, Havana
WOOD—(Port Bowen) 216 dms, Sydney; 364 dms, Melbourne; 65 cs, Fremantle; 70 dms, Adelaide

Tampa Exports

Clearance Dates

Eidsvold, May 2; Leeds City, April 28

PHOSPHATE—7,691 tons, Eidsvold, Yokohama; 7,800 tons, Leeds City, Yokohama-Osaka-Kobe

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—92,311 bbls, Esso Bayway, Baytown
OIL, GAS—52,596 bbls, Watertown, New York
PETROLEUM, CRUDE—61,406 bbls, Federal, Houston; 70,867 bbls, Birkenhead, New York; 16,204 bbls, Watertown, New York; 52,267 bbls, Arizona, Port Arthur; 75,189 bbls, Oregon, Port Neches; 47,970 bbls,
PETROLEUM, CRUDE (Continued).—
Dannedaike, Texas City; 111,943 bbls, E T Bedford, Baytown; 110,402 bbls, Charles Pratt, Baytown; 35,303 bbls, W C Teagle, Baytown; 57,130 bbls, Paco, Baytown

Los Angeles Coast Trade

GASOLINE—32,447 bbls, Kewanee, Portland; 7,968 bbls, San Diegan, San Diego; 64,600
GASOLINE (Continued):—
bbls, Baldbutte, Seattle; 41,844 bbls, J J Coney, Richmond; 62,258 bbls, Mojave, Portland; 3,375 bbls, San Diegan, San Diego; 29,826 bbls, Associated, San Francisco; 74,351 bbls, Dirigo, San Francisco; 127,849 bbls, Mobilegas, New York
OIL, DIESEL—1,406 bbls, San Diegan, San Diego; 15,860 bbls, Baldbutte, Seattle; 13,213 bbls, Mojave, Portland
FUEL—2,423 bbls, Coast Merchant, Portland; 3,948 bbls, Mojave, Portland; 47,501 bbls, Topila, Portland; 65,700 bbls, Meton, Portland; 49,594 bbls, Torres, San Francisco; 1,750 bbls, Scotia, Eureka
PETROLEUM, CRUDE—68,692 bbls, Solana, Avon

Cargo Ship Arrivals

May 6 to May 19

New York

Aachen	Hamburg*	May 8
Alex Van Opstal	Antwerp	May 9
Amazone	Maracaibo	May 12
American Banker	London*	May 15
American Farmer	London*	May 9
American Importer	Manchester*	May 15
Amor	Maracaibo*	May 8
Anita	Santos*	May 12
Besholt	Cebu*	May 19
Black Heron	Rotterdam*	May 15
Blankaholm	Skutskar*	May 15
Borinquen	Trujillo*	May 8
Caledonia	Glasgow*	May 14
Calmar	Portland*	May 9
Calypso	Maracaibo*	May 15
Capillo	Dundee	May 14
Cathlamet	Winnebah*	May 12
City of Evansville	Calcutta*	May 14
City of Newport News	San Francisco*	May 9
City of Singapore	Batavia*	May 13
Colamer	Dunkirk*	May 10
Cristobal	Cristobal*	May 8
Cypria	Marseilles*	May 18
Drottningholm	Gothenburg	May 9
Emergency Aid	Seattle*	May 9
Ernland	Hongkong*	May 17
Europa	Bremen*	May 11
Examiner	Alexandretta*	May 15
Exeter	Beirut*	May 10
Exhibitor	Piraeus*	May 15
Exmouth	Istanbul*	May 18
Express	Istanbul*	May 9
Fairfield City	Batavia*	May 17
Ferndale	Istanbul*	May 10
Fort Townshend	Trinidad*	May 10
Georgic	Southampton*	May 12
Gerolstein	Antwerp	May 11
Gloucester City	Fowey*	May 11
Hanley	Seattle*	May 10
Hansa	Hamburg*	May 12
Hokuroku	Manila*	May 12
Hollywood	Portland*	May 8
Ile de France	Havre*	May 10
Ingrid	Puramaribo*	May 8
Iowan	Tacoma*	May 8
J L Luckenbach	Seattle*	May 11
Javanese Prince	Shanghai*	May 10
Klaus Schoke	Holmsund*	May 15
Korsholm	Koepmanholmen	May 8
Kota Agoeng	Macassar*	May 16
Laconia	Liverpool*	May 9
Lucia C	Trieste*	May 13
Mahimahi	Honolulu*	May 9
Maine	Mombasa*	May 6
Mapia	Macassar*	May 13
Marchen Maersk	Manila*	May 10
Marna	Valparaiso*	May 13
Mathilda Thorden	Tallin*	May 10
Maui	San Francisco*	May 18
Mexico	Vera Cruz*	May 9
Mormacmar	Buenos Aires*	May 8
Mormacsea	Gdynia*	May 11
Mormacsul	Buenos Aires*	May 19
Munargo	Havana*	May 11
Nankai	Antwerp*	May 10
New Brunswick	Lagos*	May 10
New York	Hamburg*	May 8
Normandie	Havre*	May 15
Panama	Cristobal*	May 15
Northern Prince	Buenos Aires*	May 10
Panuco	Tampico*	May 10
Pastores	Puerto Barrios*	May 11
Platano	Cristobal*	May 10
Ponce	La Romana*	May 8
President Garfield	Honolulu*	May 8
Queen Mary	Southampton*	May 8
Quirigua	Port Limon*	May 14
Rex	Genoa*	May 11
Rosario	San Juan	May 8
St Mihiel	San Francisco*	May 12
Samaria	Liverpool*	May 15
Santa Clara	San Antonio*	May 9
Santa Elena	Curacao*	May 15
Santa Paula	Curacao*	May 8
Scanpenn	Hersingfors*	May 17
Seatrain Havana	New Orleans*	May 9
Silverwalnut	Hongkong*	May 10
Slesvig	Antwerp*	May 16
Stavangerfjord	Oslo*	May 9
Tana	Santos	May 10
Texmar	Portland	May 14
Tortugas	Oslo*	May 15
Torvanger	Cyprus*	May 11
Tunaholm	Gothenburg*	May 10
Tureby	Diamante	May 11
Tyrifjord	Alexandria*	May 15
Unicol	Adelaide*	May 16
Uruguay	Buenos Aires*	May 16
Veragua	Barranquilla*	May 10
Virginian	Portland*	May 12
W R Keever	Warrenton, Ore	May 14
Washington	Hamburg*	May 12
West Irmo	Accra*	May 15
Willmoto	Portland*	May 10
Wind Rush	Portland*	May 12
Zaandam	Rotterdam	May 8

* And other ports

Recent Charters

CREOSOTE — 5,000 to 7,000 tons, Tanker Novorossisk to U S Atlantic (or) Gulf; May
PETROLEUM—3,206 tons, S S Lincoln Ellsworth, dirty, Haifa to Panillac; May-June
5,444 tons, S S Sandanger, gasoline, California to Montreal, 44c a barrel; May
4,678 tons, S S Cities Service Kansas, clean, Gulf to North of Hatteras, 25c a barrel; June
4,814 tons, S S Orkanger, gas oil, Constanza to Continent, 10s 9d; July
3,644 tons, S S Athene, clean, Aruba to United Kingdom, Continent, 10s; May
4,959 tons, S S Gard, dirty, Aruba to United Kingdom, Continent, 10s 6d; June
5,960 tons, S S Seirstad, clean, Aruba to United Kingdom, Continent, 9s 9d; June
3,203 tons, S S Chiloil, reported fixed, one year, Gulf to North of Hatteras; June
5,839 tons, S S Saintonge, dirty, Gulf to United Kingdom, Continent, 12s; option Aruba, 10s 6d; June
5,550 tons, S S Krossfonn, dirty, Gulf to Havre, 12s; July
3,610 tons, S S Carina, dirty, Gulf to United Kingdom, Continent, 12s; option Aruba, 10s 6d; May
3,753 tons, S S Ranja, Constanza to Continent, 10s 6d; June
3,720 tons, S S Havsten, dirty, Gulf to Piraeus, 16s; June
3,578 tons, S S Bisca, clean, Aruba to United Kingdom, Continent, 10s; June
—— tons, Tanker, clean, Gulf to North of Hatteras, 25c a barrel; June
5,728 tons, S S Brunswick, dirty, Venezuela to North of Hatteras, 17c a barrel; June
4,928 tons, S S El Mirlo, dirty, Venezuela to North of Hatteras, 18c a barrel; June
4,985 tons, S S Alexandra Hoegh, dirty, Venezuela to North of Hatteras, 16½c a barrel; June

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that, products offered for import were adulterated or misbranded under the Federal food and drug act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended May 10

Cardamom, 32 cases; spurious.
Cinnamon chips, 50 bales; worthless chips.
Gelatin, 10 bales, 15 bags; contains arsenic.
Nutmegs, 113 bags; restricted use.
Medicinal preparations, 25 cases; new drug.
Medicinal preparation, 6 packages; false therapeutic claims.
Medicinal preparation, 1 package; false therapeutic claims; dangerous drug.

Boston

Week Ended May 10

Cocoa beans, 149 bags; water damaged.
Caraway seed, 100 bags; musty.
Medicinal preparations, 3 packages; false therapeutic claims.

Buffalo

Week Ended May 10

Medicinal preparations, 2 packages; false therapeutic claims.
Medicinal preparations, 1 package; false therapeutic claim; new drug.

Denver

Week Ended April 27

Medicinal preparations, 3 pieces; false therapeutic claims.

Los Angeles

Week Ended April 27

Medicinal preparations, 9 pieces; new drug.
Nutmegs, 10 bags; filthy and decomposed.
Nutmegs, 20 bags; wormy and moldy.

San Francisco

Week Ended April 27

Hair dye, 12 pieces; coaltar dye without caution statement.
Medicinal preparations, 18 pieces; new drug; false therapeutic claims.
Medicinal preparations, 100 pieces; false therapeutic claims.

Week Ended May 4

Medicinal preparations, 100 pieces; false therapeutic claims.

Seattle

Week Ended April 27

Medicinal preparations, 220 pieces; acetanilid incorrectly declared; dangerous to health.
Medicinal preparations, 164 pieces; false and misleading statements.
Medicinal preparations, 164 pieces; false therapeutic claims; new drug.

Week Ended May 4

Medicinal preparations, 9 pieces; false and misleading statements as to composition; false therapeutic claims.
Medicinal preparations, 50 pieces; acetanilid incorrectly declared; dangerous to health.
Sesame seed, 3 bags; filthy.

Talc Sales Declined 17,000 Tons in 1938

Sales of talc, pyrophyllite, and ground soapstone by domestic producers totaled 212,775 short tons, against 229,999 tons in 1937, the highest sales volume ever attained, according to the Bureau of Mines. Statistics revealed that sales by domestic producers consisted of 197,548 tons of ground material; crude, 13,498 tons; sawed and manufactured, 1,729 tons. Imports of crude and unground steatite and French chalk totaled 337 short tons, compared with 324 tons in 1937. Imports of manufactures except toilet preparations, wholly or partly finished totaled 21,790 short tons, against 26,552 tons in 1937. Exports of talc, steatite and soapstone totaled 7,118 tons, compared with 8,878 tons in 1937.

Consumption in U. S.

	Short tons 1938.	1937.
Ceramics	29,590	29,793
Foundry facings	2,511	3,228
Paint	53,506	59,660
Paper	27,329	32,127
Roofing	27,607	23,551
Rubber	25,374	26,941
Toilet preparations	5,970	4,340
Other uses*	20,732	28,265
Not reported	20,156	22,094
Totals		229,999

* Includes crayons, bleaching, insecticides, plaster, textile and other minor uses.

MAY 1939 XUM

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c. for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

NEW ENGLAND MANUFACTURER'S agent, already selling several lines to the paint, lacquer, textile, rubber and shoe finish trades, desires, in addition, another line. Is well established, aggressive, and can furnish the best recommendations. BOX 403, Oil, Paint and Drug Reporter.

Agents Wanted

ORGANIC FERTILIZERS: — Sales agent wanted for organic fertilizers and specialty castor meal, c.i.f. U.S.A. ports. Vitex, Antwerp (Belgium). Cable address:—Concentra-Antwerp.

COLLECTOR on the spot of West African strophantus gratus wants selling-agent for the United States, successfully identified with this trade and buyers, of which particulars requested. Apply with references. BOX 400, Oil, Paint and Drug Reporter.

Equipment Offered

LIQUIDATION—Machinery and equipment of Amalgamated Dyestuffs plant at Newark, N. J.—filter presses, dryers, kettles, tanks, lead-lined mixing tanks, pumps, grinders, hoists, machine tools, etc. Priced to move quickly. Representative on premises or inquire Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

COPPER SET kettles, two, 175-gallon, with steel fire chambers; one 175-gallon steel hemispherical kettle with truck; tinned copper storage tanks 35 to 175 gallon; also copper steam jacketed kettles. Brighton Copper Works, Cincinnati, Ohio.

Equipment Offered

FROM PLANT liquidations:—Six 1,000 gals. closed, agitated jack. kettles; 3,000 pound jack., horiz. steel powder mixer, 20 h.p. motor driven; Tolhurst 32-inch rubber lined centrifugal; two 6-foot diameter Buffalo vacuum crystallizers; jacketed agitated vacuum stills, 25 to 2,000 gals., glass lined and steel; glass lined and steel storage tanks; 3 ft. by 15 ft. rotary vacuum dryer; Hardinge mill, 6 ft. by 36 in., pebble and jar mills to 250 gals. capacity; filter presses to 36 in. square; Stedman 42 in. disintegrator; tablet machines, ½ in. to 2 in., single punch and rotary. Mixers, crushers, pulverizers, roller mills, etc. Send for complete listings. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Wanted

WANTED; Rotary dryer with inner tube, about 7 or 8 feet in diameter and 40 feet long, to dry wet clay. The Federal Foundry Supply Co., Cleveland, O.

Factories Offered

FIREPROOF FACTORY, corner two-story; 28,000 sq. ft., large elevator, steam (oil burner), yard with dock (waterfront) facilities, unrestricted district in Brooklyn. Bargain, sale or lease. The R. L. Kraft Company, Woolworth Building, Cortlandt 7-9377.

Materials Offered

CELLULOSE ACETATE solution, 9 ounce, old, good condition; also old cellulose acetate flake and powder, large quantities, very low prices. Henry K. Fort Co., 2227 N. American street, Philadelphia.

Materials Offered

FOR SALE, 100 tons each, carbon black; arsenopyrite; monazite; zircon; olivine; ulexite; foliated talc; carnotite about 10% combined oxides; 500 lbs. each barium monoxide; zirconium sulphate; titanium-carbide; lead selenide; thorium oxide. BOX 404, Oil, Paint and Drug Reporter.

Materials Wanted

CHEMICALS WANTED for export. Individual with established connections in foreign lands wishes to contact first-hand American manufacturers for the purchase of chemicals and paraffin wax candles. BOX 405, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMAN WANTED with following among leading jobbers, retail paint stores, and industrial trade. To take on full time or side line of permanent Green paint in 5 shades. Drawing account against good commission. BOX 399, Oil, Paint and Drug Reporter.

Positions Wanted

SALES EXECUTIVE, many years experience successfully selling raw materials to paint and allied industries, desires connection where opportunity for capitalizing upon his abilities exists. Hard working producer, with technical training and background; many years actual sales experience. BOX 392, Oil, Paint and Drug Reporter.

CONNECTION is desired immediately by a thoroughly trained and experienced paint chemist and formulator. Development and production experience large. Extensive knowledge in industrials, maintenance and whites at quality or competitive prices. BOX 394, Oil Paint and Drug Reporter.

Positions Wanted

PAINT varnish maker wants position as superintendent paint and varnish factory. Makes the very best flat whites, gloss whites enamels, varnishes and full line on the market today. Will submit samples. BOX 396, Oil, Paint and Drug Reporter.

SALESMAN - EXECUTIVE experienced marketing industrial chemicals, agricultural chemicals, oils, solvents, pigments, colors and allied lines, acquainted with trade throughout the country. Open for position as salesman or sales executive. BOX 397, Oil, Paint and Drug Reporter.

CHEMIST, graduate, young man in metropolitan area, wants any chemical position. Experienced in pigment analysis and analysis of raw materials in paint and varnish laboratory; also assisted in formulation. BOX 401, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers — if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

CHECK INVENTORIES — Cash for any quantity, surplus finished or raw materials —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

WE PURCHASE any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

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NEW YORK REPRESENTATION

Established firm operating in New York area desires to represent reputable manufacturers in that territory. Particularly qualified to cater to cosmetic, paint, ink and textile industries. Box 402, care of Oil, Paint and Drug Reporter.

Fertilizer Materials

Markets at Other Centers

—Continued from page 59

for supplies of wet rendered tankage, while blood and bone were not noticed.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles Harbor. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex vessel or warehouse; 200-pound bags, $28.30 per ton ex vessel or warehouse.

SUPERPHOSPHATE.—Domestic superphosphate, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra. Eleven percent N. and 48 percent P.A. material quoted at $53 per ton, cars, port basis, and $1 per ton extra for delivery inland.

FISH MEAL.—Spot California sardine meal was stronger, with the market active. Quoted on the basis of $43 per ton, f.o.b. cars, San Francisco and/or Monterey.

TANKAGE.—Unground, fertilizer grade tankage, wet rendered, from domestic packing houses, quoted at $2.85 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Dry rendered, ground, quoted at $40 per ton, f.o.b. cars; unground, quoted at 67½c. to 70c. per unit of protein, f.o.b. cars, San Francisco.

BLOOD MEAL.—Domestic blood meal, $2.75 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—Domestic steamed bone meal, depending upon quality and seller, quoted at from $25 to $29 per ton, delivered, Pacific Coast ports.

Bids Wanted

Acetone:—8,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Acetylene:—3,375 cubic feet; Warden, Federal Reformatory, Petersburg, Va.; procurement 470, opening May 24.

Cutback:—6,000 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 397, opening June 1.

Acid, Chloroplatinic:—100 ounces; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington; procurement 5653, opening May 16.

Muriatic:—10,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 791, opening June 2.

Alcohol:—Supplies as required during the 1940 fiscal year; Purchasing Officer, Department of Interior, 1749 Pershing road, Chicago; schedule 18-A, opening May 25.

Aluminum Powder:—Supplies of; CCC, Indiana, Pa.; procurement 5306-99, opening May 18.

Asphalt, Cutback:—1,250 gallons; State Procurement Office, Treasury Department, Richmond, Va.; procurement 3830, opening, May 19.

Black, Lamp:—1,500 pounds; Purchasing Agent, Government Printing Office, Washington; opening May 15.
3,000 pounds in oil; General Purchasing Officer, Panama Canal, Washington; schedule 3464; opening May 25.

Dry:—2,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464; opening May 25.

Brown, Bismark:—500 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Metallic:—5,000 pounds in oil; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Calcium Hypochlorite:—Supplies of; Quartermaster Depot, 1819 W. Pershing road, Chicago; procurement 199-230, opening May 20.

Chrome, Yellow:—600 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Creosote Stain:—Supplies of; CCC, Indiana, Pa.; procurement 5306-99, opening May 18.

Drugs:—22 items; Purchasing and Contracting Officer, Medical Service, Army Base, Brooklyn; procurement 109, opening May 19.

Drugs and Chemicals:—115 items; Commanding Officer, St. Louis Medical Depot, St. Louis, Mo.; procurement 24, opening May 25.

Glue, Flake:—1,200 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Grease, Aluminum-Soap:—8,100 pounds; Naval Aircraft Factory, Philadelphia, Pa.; requisition 502-2729 Aero, opening May 18.

Gypsum:—Supplies as required during the 1940 fiscal year; Naval Supply Depot, Norfolk, Va.; schedule 995, opening May 22.

Kerosene:—96,000 gallons as required during the period July 1 to February 1; Naval Supply Depot, Norfolk, Va.; schedule 1039, opening May 24.

Lime, Hydrated:—Supplies as required during the 1940 fiscal year; Naval Supply Depot, Norfolk; schedule 1039, opening May 24.

Nitroglycerin:—300 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 805, opening May 15.

Ochre, Yellow:—15,000 pounds; General Purchasing Officer, the Panama Canal, Washington; schedule 3464, opening May 25.

Oil, Fuel:—70,000 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton; procurement 1045, opening May 18.
Supplies for a five months' period for the Department of Chemical Engineering at Wilson Dam; Director of Purchases, Tennessee Valley Authority, Knoxville, Tenn.; opening May 24.

Insulating:—2,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Lard:—700 gallons; Commanding Officer, Frankford Arsenal, Pa.; procurement 1129, opening May 18.
800 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Linseed:—Supplies of; CCC, Indiana, Pa.; procurement 5306, opening May 16.

Raw:—1,200 gallons; Purchasing and Contracting Officer, District Quartermaster, Fort Hayes, Columbus, Ohio; procurement 5502-98, opening May 23.
46,500 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Paraffin:—8,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; procurement 717, openng May 19.

Paint Thinner:—800 gallons; CCC, Towson, Md.; procurement 5304, opening May 15.

Paint-Varnish Remover:—2,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Putty:—2,500 pounds; Purchasing and Contracting Officer, District Quartermaster, Fort Hayes, Columbus, Ohio; procurement 5502-98, opening May 23.
5,000 pounds; General Purchasnig Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Rose Lake:—200 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Rust Preventive:—6,200 pounds; Commanding Officer, Quartermaster Corps, Jeffersonville, Ind; procurement 431-179, opening May 22.

Slag:—12,000 tons of blast furnace; Commissioners, District Government, Washington; opening May 23.

Red, Dry, Indian:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Scouring Powder:—12,000 pounds; Purchasing Agent, Post Office Department, Washington; procurement 251, opening May 19.

Sienna, Dry, Burnt:—1,000 pounds; General Purchasing Officer, the Panama Canal, Washington; schedule 3464, opening May 25.

Soap:—Supplies during the 1940 fiscal year; Purchasing Officer, Interior Department, Indian Warehouse, 1749 Pershing road, Chicago; schedule 1-P, opening June 2.

Castile:—2,000 pounds; Commanding Officer, San Antonio Arsenal, Tex.; procurement 32, opening May 24.

Grit Cake:—2,400 pounds; Purchasing Agent, Post Office Department, Washington; procurement 269, opening May 18.

Soda Ash:—5,000 pounds; Commanding Officer, San Antonio Arsenal, Tex.; procurement 32, opening May 24.

Caustic:—Supplies during the 1940 fiscal year for the Indian Service; Purchasing Officer, Department of Interior, Indian warehouse, 1749 Pershing road, Chicago; schedule 1-P, opening June 2.

Hypochlorite:—2,510 gallons;: Purchasing and Contracting Officer, CCC, Trenton, N. J.; procurement 5219-43, opening May 22.

Phosphate:—1,000 pounds; U. S. Engineer Office, Federal building, Galveston, Tex.; procurement 270, opening May 17.
Supplies of tribasic for the 1940 fiscal year by the Indian Service; Purchasing Officer, Department of Interior, Indian warehouse, 1749 Pershing road, Chicago; schedule 1-P, openng June 2.

Strychnine Alkaloid:—Supplies of; Purchasing Officer, Department of Interior, Washington; procurement 4922, opening May 17.

Tar:—8,250 gallons for Charleston, W. Va.; State Procurement Office, Treasury Department, 916 Quarry street, Charleston; procurement 8843, opening May 16.

Turpentine:—2,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Umber, Burnt:—1,500 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.
500, pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Varnish, Asphalt:—480 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3464, opening May 25.

Mixing:—Supplies of; CCC, Indiana, Pa.; procurement 5306-99, opening May 18.
2,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule, 3464, opening May 25.

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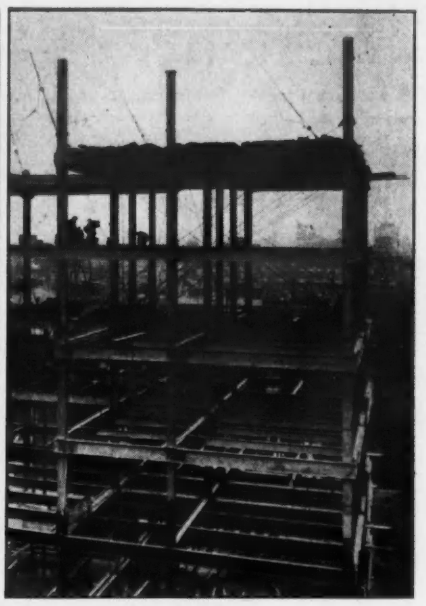

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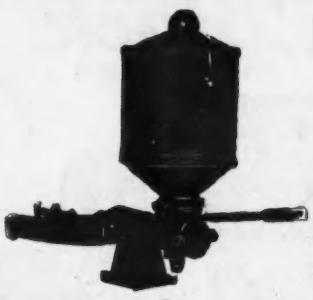

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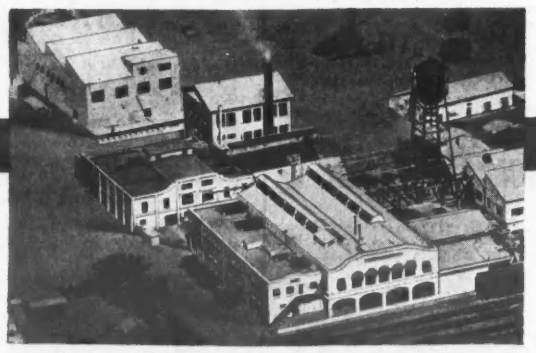

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